



D

Control & Signalling

Interactive Catalogue



Control & Signalling



Pushbuttons &
Selector switches

D-1...8



Metal pushbuttons
& Selector switches

D-4...6



One-piece
control devices

D-9...10



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switches

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Indicating devices

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stations

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Signalling devices

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Industrial sirens

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Pushbuttons & selector switches

PLatinum SERIES



LPC B103



LPC B204



LPC B2104



LPC B6144



LPC B6644



LPC B6844



LPC B7191



LPC B7223



LPC B7355

Platinum series Ø22 mm pushbuttons and selector switches

LPC series (chromed plastic) - mounting by threaded ring

General features:

- Elegant style ergonomic design (*combining aesthetics with industrial durability*)
- IP66, IP67 and IP69K degree of protection for use even in extreme temperatures -25°C...+70°C
- Material resistant to oils, solvents and hydrocarbons.
- Contact blocks and **LPC AU120** support (*see control device accessories*)

Actuators supplied without **LPC AU120** contact block support (*to be ordered separately*)

type	colour	symbol	description	action	price
Pushbutton actuators					
LPC B102	black	—	flush momentary pushbutton actuator	spring return	114.00
LPC B103	green	—	flush momentary pushbutton actuator	spring return	114.00
LPC B104	red	—	flush momentary pushbutton actuator	spring return	114.00
LPC B105	yellow	—	flush momentary pushbutton actuator	spring return	114.00
LPC B106	blue	—	flush momentary pushbutton actuator	spring return	114.00
LPC B202	black	—	projecting head pushbutton actuator	spring return	143.00
LPC B203	green	—	projecting head pushbutton actuator	spring return	143.00
LPC B204	red	—	projecting head pushbutton actuator	spring return	143.00
LPC B205	yellow	—	projecting head pushbutton actuator	spring return	143.00
LPC B206	blue	—	projecting head pushbutton actuator	spring return	143.00
Pushbutton actuators (with symbols on button)					
LPC B1104	red	O	flush momentary pushbutton actuator	spring return	147.00
LPC B1113	green	I	flush momentary pushbutton actuator	spring return	147.00
LPC B1134	red	STOP	flush momentary pushbutton actuator	spring return	147.00
LPC B1163	green	START	flush momentary pushbutton actuator	spring return	147.00
LPC B1142	black	←	flush momentary pushbutton actuator	spring return	147.00
LPC B1152	black	↑	flush momentary pushbutton actuator	spring return	147.00
LPC B1196	blue	RESET	flush momentary pushbutton actuator	spring return	147.00
LPC B2104	red	O	extended head pushbutton actuator	spring return	186.00

Alternate action pushbutton actuator (push-on / push-off)

LPC Q102	black	—	flush alternate action p/button actuator	alternate	238.00
LPC Q103	green	—	flush alternate action p/button actuator	alternate	238.00
LPC Q104	red	—	flush alternate action p/button actuator	alternate	238.00
LPC Q105	yellow	—	flush alternate action p/button actuator	alternate	238.00
LPC Q106	blue	—	flush alternate action p/button actuator	alternate	238.00
LPC Q202	black	—	projecting head pushbutton actuator	alternate	300.00
LPC Q203	green	—	projecting head pushbutton actuator	alternate	300.00
LPC Q204	red	—	projecting head pushbutton actuator	alternate	300.00
LPC Q205	yellow	—	projecting head pushbutton actuator	alternate	300.00
LPC Q206	blue	—	projecting head pushbutton actuator	alternate	300.00

Use only contact blocks **LPC C10A** (NO) and **LPC C01** (NC) on above alternate action pushbuttons.

Mushroom head pushbutton actuators

LPC B6144	red	Ø40 mm	mushroom pushbutton actuator	spring return	257.00
LPC B6164	red	Ø60 mm	mushroom pushbutton actuator	spring return	353.00
LPC B6344	red	Ø40 mm	latching mushroom pushbutton actuator	twist release	310.00

Emergency stopping (ISO 13850 compliant)

LPC B6634	red	Ø30 mm	latching mushroom pushbutton actuator	twist release	503.00
LPC B6644	red	Ø40 mm	latching mushroom pushbutton actuator	twist release	450.00
LPC B6744	red	Ø40 mm	latching mushroom pushbutton actuator	pull release	481.00
LPC B6844	red	Ø40 mm	latching mushroom pushbutton actuator	key release	957.00

Multi pushbutton actuators

Double-touch pushbutton actuators

LPC B7113	grn/red	—	double touch pushbutton actuator (<i>flush</i>)	spring return	221.00
LPC B7191	blk/blk	↓↑	double touch pushbutton actuator (<i>flush</i>)	spring return	285.00
LPC B71S02	grn/grn	+ —	double touch pushbutton actuator (<i>flush</i>)	spring return	371.00
LPC B7223	grn/red	I-O	double touch actuator (<i>ext. red button</i>)	spring return	299.00
LPC BL7223	grn/red	I-O	double touch + indicator (<i>ext. red button</i>)	spring return	405.00

Triple-touch pushbutton actuators (red extended stop button)

LPC B7345	grn/grn	I-STOP-II	triple-touch pushbutton actuator	spring return	328.00
LPC B7355	grn/grn	↑-STOP-↓	triple-touch pushbutton actuator	spring return	328.00
LPC B7365	grn/grn	←-STOP-→	triple-touch pushbutton actuator	spring return	328.00
LPC B7375	grn/grn	↖-STOP-↗	triple-touch pushbutton actuator	spring return	264.00

Pushbuttons & selector switches

PLatinum SERIES



LPC S120



LPC S230



LPC S320



LPL 3



LPC BL103



LPC BL204



LPC BL6644

LPC series (chromed plastic) - mounting by threaded ring

type	colour	positions		description	spring return	price
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Selector switch actuators

LPC S120	black	2 position	O - I	selector switch actuator	—	254.00
LPC S121	black	2 position	O - I	selector switch actuator	from Right	276.00
LPC S130	black	3 position	I - O - II	selector switch actuator	—	263.00
LPC S131	black	3 position	I - O - II	selector switch actuator	from L+R	307.00
LPC S132	black	3 position	I - O - II	selector switch actuator	from Left	307.00
LPC S133	black	3 position	I - O - II	selector switch actuator	from Right	307.00

Long lever selector switch actuators

LPC S220	black	2 position	O - I	lever selector actuator	—	264.00
LPC S221	black	2 position	O - I	lever selector actuator	from Right	287.00
LPC S230	black	3 position	I - O - II	lever selector actuator	—	292.00
LPC S231	black	3 position	I - O - II	lever selector actuator	from L+R	319.00
LPC S232	black	3 position	I - O - II	lever selector actuator	from Left	319.00
LPC S233	black	3 position	I - O - II	lever selector actuator	from Right	319.00

Key selector switch actuators

type	colour	positions	key remove	description	spring return	price
LPC S320	black	2 pos (O-I)	Left	key switch actuator	—	572.00
LPC S321	black	2 pos (O-I)	L+R	key switch actuator	—	572.00
LPC S340	black	2 pos (O-I)	Left	key switch actuator	from Right	637.00
LPC S330	black	3 pos (I-O-II)	Centre	key switch actuator	—	636.00
LPC S331	black	3 pos (I-O-II)	L+C+R	key switch actuator	—	636.00
LPC S332	black	3 pos (I-O-II)	Left	key switch actuator	—	636.00
LPC S333	black	3 pos (I-O-II)	Right	key switch actuator	—	636.00
LPC S360	black	3 pos (I-O-II)	Centre	key switch actuator	from Right	657.00
LPC S370	black	3 pos (I-O-II)	Centre	key switch actuator	from L+R	657.00

Versions with different key codes available on request

Illuminated Ø22 mm control devices

Pilot light heads - Ø22 mm

LPL 3	green	illuminated	Ø22 mm pilot light head only	pilot light	86.00
LPL 4	red	illuminated	Ø22 mm pilot light head only	pilot light	86.00
LPL 5	yellow	illuminated	Ø22 mm pilot light head only	pilot light	86.00
LPL 6	blue	illuminated	Ø22 mm pilot light head only	pilot light	86.00
LPL 7	t/parent	illuminated	Ø22 mm pilot light head only	pilot light	86.00

Flush illuminated pushbutton actuators

LPC BL103	green	illuminated	flush momentary pushbutton actuator	spring return	208.00
LPC BL104	red	illuminated	flush momentary pushbutton actuator	spring return	208.00
LPC BL105	yellow	illuminated	flush momentary pushbutton actuator	spring return	208.00
LPC BL106	blue	illuminated	flush momentary pushbutton actuator	spring return	208.00

Alternate action pushbutton actuators (push-on/push-off)

LPC QL103	green	illuminated	flush alternate action p/button actuator	alternate	436.00
LPC QL104	red	illuminated	flush alternate action p/button actuator	alternate	436.00
LPC QL105	yellow	illuminated	flush alternate action p/button actuator	alternate	436.00
LPC QL106	blue	illuminated	flush alternate action p/button actuator	alternate	436.00

Extended head illuminated pushbutton actuators

LPC BL203	green	illuminated	projecting head pushbutton actuator	spring return	261.00
LPC BL204	red	illuminated	projecting head pushbutton actuator	spring return	261.00
LPC BL205	yellow	illuminated	projecting head pushbutton actuator	spring return	261.00
LPC BL206	blue	illuminated	projecting head pushbutton actuator	spring return	261.00
LPC BL207	t/parent	illuminated	projecting head pushbutton actuator	spring return	261.00

Alternate action pushbutton actuators (push-on/push-off)

LPC QL203	green	illuminated	projecting head alternate action	alternate	548.00
LPC QL204	red	illuminated	projecting head alternate action	alternate	548.00
LPC QL205	yellow	illuminated	projecting head alternate action	alternate	548.00
LPC QL206	blue	illuminated	projecting head alternate action	alternate	548.00
LPC QL207	t/parent	illuminated	projecting head alternate action	alternate	548.00

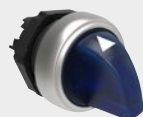
Illuminated mushroom head pushbutton actuators

LPC BL6144	red	illuminated	Ø40 mm mushroom head actuator	spring return	469.00
LPC BL6644	red	illuminated	Ø40 mm latching mushroom actuator	twist release	874.00

Illuminated control devices

PLatinum SERIES


LPC SL1215



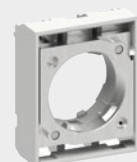
LPC SL1306



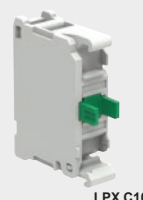
LPX DIN



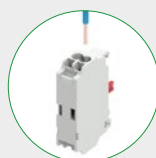
LPC R1196



LPX AU120M



LPX C10



Push-in technology



LPX CS10

Platinum LPC series (chromed plastic) illuminated Ø22 mm control devices

type	colour	positions	description	action	price
Illuminated selector switch actuators					
LPC SL1203	green	2 position	illuminated selector switch actuator	O - I	354.00
LPC SL1204	red	2 position	illuminated selector switch actuator	O - I	354.00
LPC SL1205	yellow	2 position	illuminated selector switch actuator	O - I	354.00
LPC SL1206	blue	2 position	illuminated selector switch actuator	O - I	354.00
LPC SL1208	white	2 position	illuminated selector switch actuator	O - I	354.00
LPC SL1213	green	2 position	illuminated selector switch actuator	spring return from Right	387.00
LPC SL1214	red	2 position	illuminated selector switch actuator		387.00
LPC SL1215	yellow	2 position	illuminated selector switch actuator		387.00
LPC SL1216	blue	2 position	illuminated selector switch actuator		387.00
LPC SL1218	white	2 position	illuminated selector switch actuator	spring return from L+R	387.00
LPC SL1303	green	3 position	illuminated selector switch actuator		392.00
LPC SL1304	red	3 position	illuminated selector switch actuator		392.00
LPC SL1305	yellow	3 position	illuminated selector switch actuator		392.00
LPC SL1306	blue	3 position	illuminated selector switch actuator		392.00
LPC SL1308	white	3 position	illuminated selector switch actuator	spring return from L+R	392.00
LPC SL1313	green	3 position	illuminated selector switch actuator		428.00
LPC SL1314	red	3 position	illuminated selector switch actuator		428.00
LPC SL1315	yellow	3 position	illuminated selector switch actuator		428.00
LPC SL1316	blue	3 position	illuminated selector switch actuator		428.00
LPC SL1318	white	3 position	illuminated selector switch actuator		428.00

DIN-rail mount adaptor for control devices

- To mount Ø22 mm control devices on DIN-rail. - Same profile as standard MCBs fits into standard distribution boards with (45 mm cut-out)				
LPX DIN	grey	DIN-rail	mounting adaptor for Ø22 mm pushbuttons	61.00

Mechanical reset pushbuttons (fine depth adjustment through face of button)

• Complete with shaft (<i>adjustable length 0 - 15 mm</i>) • Fine rod adjustment (<i>1 - 4 mm</i>) on front with screwdriver by removing actuator cap					
LPC R1002	black	—	mechanical reset button (<i>adj. length</i>)	0-150 mm	197.00
LPC R1004	red	—	mechanical reset button (<i>adj. length</i>)	0-150 mm	197.00
LPC R1006	blue	—	mechanical reset button (<i>adj. length</i>)	0-150 mm	197.00
LPC R1196	blue	(RESET)	mechanical reset button (<i>adj. length</i>)	0-150 mm	256.00

Contact blocks and accessories for LPC / LPS / LPF series
Contact block support for above series

LPX AU120	support	contact block support for LPC - chromed plastic actuators	50.00
LPX AU120M	support	contact block support for LPS and LPF - metallic actuators	64.00

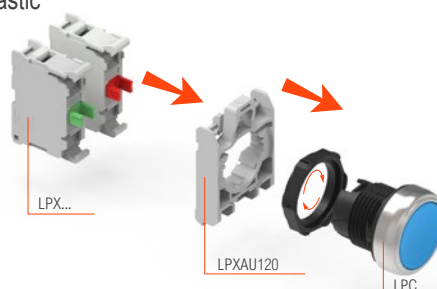
Contact blocks (require LPXAU120M for metal actuators)

• Self-cleaning, dual scrape/oscillating action contacts • Thermal current Ith: 10A - IEC rated insulation voltage: 690V (C20 / C02 / C11: 250V) • Can be clipped onto the back of another contact block					
LPX C10	1 x NO	standard	screw	terminal contact block for control devices	93.00
LPX C01	1 x NC	standard	screw	terminal contact block for control devices	93.00
LPX C20	2 x NO	standard	screw	terminal contact block for control devices	212.00
LPX C02	2 x NC	standard	screw	terminal contact block for control devices	212.00
LPX C11	1NO+1NC	standard	screw	terminal contact block for control devices	212.00
LPX C10A	1 x NO	early make	screw	terminal contact block for control devices	156.00
LPX C01D	1 x NC	late break	screw	terminal contact block for control devices	156.00

Push-in terminals for cables with ferrules (no tool required for insertion)

guaranteed retaining force over time even in the presence of vibration and/or impact

LPX CS10	1 x NO	standard	push-in	terminal contact block for control devices	130.00
LPX CS01	1 x NC	standard	push-in	terminal contact block for control devices	130.00

Ø22MM - Chromed plastic


Metal pushbuttons & selector switches

PLatinum SERIES



Platinum LPS series (metal) - mounting securely by two screws

The popular Ø22 mm chromed plastic version is complemented by a robust, impact-resistant Ø22 mm metal version and a Ø30 mm flat metal version with modern, attractive styling.

- Elegant style ergonomic design (*combining aesthetics with industrial durability*)
- IP66, IP67 and IP69K degree of protection for use even in extreme temperatures -25°C - +70°C
- Material resistant to oils, solvents and hydrocarbons
- Contact blocks and **LPX AU120M** support (*see control device accessories*)

Supplied without **LPX AU120M** mounting adaptor/contact support (*to be ordered separately*)

type	colour	symbol	description	action	price
Pushbutton actuators			Ø22 mm		
LPS B102	black	—	flush momentary pushbutton actuator	spring ret.	139.00
LPS B103	green	—	flush momentary pushbutton actuator	spring ret.	139.00
LPS B104	red	—	flush momentary pushbutton actuator	spring ret.	139.00
LPS B105	yellow	—	flush momentary pushbutton actuator	spring ret.	139.00
LPS B106	blue	—	flush momentary pushbutton actuator	spring ret.	139.00
LPS B202	black	—	projecting head pushbutton actuator	spring ret.	175.00
LPS B203	green	—	projecting head pushbutton actuator	spring ret.	175.00
LPS B204	red	—	projecting head pushbutton actuator	spring ret.	175.00

Pushbutton actuators (with symbols on button) Ø22 mm						
LPS B1104	red	O	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1113	green	I	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1134	red	STOP	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1163	green	START	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1142	black	←	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1152	black	↑	flush momentary pushbutton actuator		spring ret.	180.00
LPS B1196	blue	RESET	flush momentary pushbutton actuator		spring ret.	180.00
LPS B2104	red	O	extended head pushbutton actuator		spring ret.	227.00

Mushroom head pushbutton actuators						
LPS B6144	red	Ø40 mm	mushroom pushbutton actuator		spring ret.	315.00

Emergency stopping (ISO 13850 compliant)

LPS B6634	red	Ø30 mm	latching mushroom pushbutton actuator		twist release	617.00
LPS B6644	red	Ø40 mm	latching mushroom pushbutton actuator		twist release	587.00
LPS B6844	red	Ø40 mm	latching mushroom pushbutton actuator		key release	1 180.00

Multi pushbutton actuators Ø22 mm						
Double-touch pushbutton actuators						
LPS B7113	grn/red	—	double touch pushbutton actuator (flush)		spring ret.	270.00
LPS B7191	blk/blk	↓↑	double touch pushbutton actuator (flush)		spring ret.	349.00
LPS B7223	grn/red	I-O	double touch actuator (ext. red button)		spring ret.	366.00

Triple-touch pushbutton actuators (red extended stop button)

LPS B7345	grn/grn	I-STOP-II	triple-touch pushbutton actuator		spring ret.	402.00
LPS B7355	grn/grn	↑-STOP-↓	triple-touch pushbutton actuator		spring ret.	402.00
LPS B7365	grn/grn	←-STOP-→	triple-touch pushbutton actuator		spring ret.	402.00
LPS B7375	grn/grn	↖-STOP-↗	triple-touch pushbutton actuator		spring ret.	402.00

Selector switch actuators Ø22 mm						
LPS S120	black	O - I	2 position	selector switch actuator	—	311.00
LPS S121	black	O - I	2 position	selector switch actuator	from Right	338.00
LPS S130	black	I - O - II	3 position	selector switch actuator	—	344.00
LPS S131	black	I - O - II	3 position	selector switch actuator	from L+R	375.00
LPS S132	black	I - O - II	3 position	selector switch actuator	from Left	375.00
LPS S133	black	I - O - II	3 position	selector switch actuator	from Right	375.00

Key selector switch actuators versions with different key codes available on request

type	colour	positions	key remove	description		spring return	price
LPS S320	black	O - I	Left	2 pos key switch actuator		—	702.00
LPS S321	black	O - I	L+R	2 pos key switch actuator		—	702.00
LPS S340	black	O - I	Left	2 pos key switch actuator		from Right	782.00
LPS S330	black	I - O - II	Centre	3 pos key switch actuator		—	779.00
LPS S331	black	I - O - II	L+C+R	3 pos key switch actuator		—	779.00
LPS S333	black	I - O - II	Right	3 pos key switch actuator		—	779.00
LPS S360	black	I - O - II	Centre	3 pos key switch actuator		from Right	805.00
LPS S370	black	I - O - II	Centre	3 pos key switch actuator		from L+R	805.00

Metal pushbuttons & selector switches

PLatinum SERIES

Platinum LPS series Ø22 mm (metal) - mounting securely by two screws

type	colour	positions	contacts	description	operation	price
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Joystick operators
Ø22 mm

Supplied complete with contact block support and contact blocks

Without mechanical interlock

LPS J200	black	2 position	2 NO	joystick control no interlock	spring ret.	1 180.00
LPS J201	black	2 position	2 NO	joystick control no interlock	latch	1 180.00
LPS J400	black	4 position	4 NO	joystick control no interlock	spring ret.	1 590.00
LPS J401	black	4 position	4 NO	joystick control no interlock	latch	1 590.00

With mechanical interlock - in centre position

LPS J210	black	2 position	2 NO	joystick control interlocked	spring ret.	1 420.00
LPS J211	black	2 position	2 NO	joystick control interlocked	latch	1 420.00
LPS J410	black	4 position	4 NO	joystick control interlocked	spring ret.	1 910.00
LPS J411	black	4 position	4 NO	joystick control interlocked	latch	1 910.00
LPS AU101	black	Ø22 mm		legend holder for joystick controllers	12 mm (H)	88.00
LPS AU109	silver	engraveable		clip-in label for (above) holders	12 mm (H)	25.70
LPS AU109EN	silver	engraved		label (provide required engraving)	12 mm (H)	24.20

Illuminated control devices
Ø22 mm

LPS AU120M mounting adaptor/contact support (to be ordered separately)

Pilot light heads - Ø22mm

LPS L3	green	illuminated	Ø22 mm	pilot light head only	pilot light	149.00
LPS L4	red	illuminated	Ø22 mm	pilot light head only	pilot light	149.00
LPS L5	yellow	illuminated	Ø22 mm	pilot light head only	pilot light	149.00
LPS L6	blue	illuminated	Ø22 mm	pilot light head only	pilot light	149.00
LPS L7	t/parent	illuminated	Ø22 mm	pilot light head only	pilot light	149.00

Illuminated pushbutton actuators
Ø22 mm

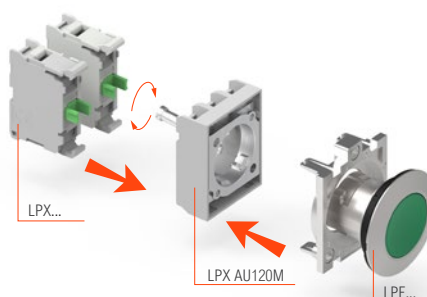
LPS BL103	green	illuminated		flush head pushbutton actuator	spring ret.	255.00
LPS BL104	red	illuminated		flush head pushbutton actuator	spring ret.	255.00
LPS BL105	yellow	illuminated		flush head pushbutton actuator	spring ret.	255.00
LPS BL106	blue	illuminated		flush head pushbutton actuator	spring ret.	255.00
LPS BL203	green	illuminated		projecting head pushbutton actuator	spring ret.	320.00
LPS BL204	red	illuminated		projecting head pushbutton actuator	spring ret.	320.00
LPS BL205	yellow	illuminated		projecting head pushbutton actuator	spring ret.	320.00
LPS BL206	blue	illuminated		projecting head pushbutton actuator	spring ret.	320.00

Illuminated mushroom head pushbutton actuators Ø40 mm

LPS BL6644	red	illuminated		latching mushroom head actuator	twist release	1 080.00
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Illuminated selector switch actuators
Ø22 mm

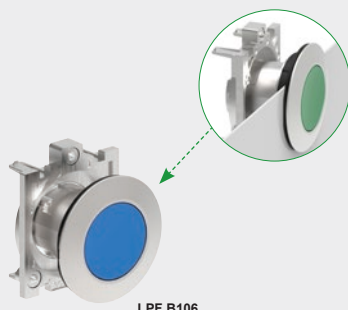
type	colour	positions	description	action	price
LPS SL1203	green	2 position	illuminated selector switch actuator	O - I	433.00
LPS SL1204	red	2 position	illuminated selector switch actuator	O - I	433.00
LPS SL1205	yellow	2 position	illuminated selector switch actuator	O - I	433.00
LPS SL1206	blue	2 position	illuminated selector switch actuator	O - I	433.00
LPS SL1303	green	3 position	illuminated selector switch actuator	I - O - II	480.00
LPS SL1304	red	3 position	illuminated selector switch actuator	I - O - II	480.00
LPS SL1305	yellow	3 position	illuminated selector switch actuator	I - O - II	480.00
LPS SL1306	blue	3 position	illuminated selector switch actuator	I - O - II	480.00

Ø30MM - Chromed metal


Refer to D-6...

Metal-flat pushbuttons & selector switches

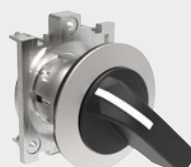
PLatinum SERIES



LPF B106



LPF B204



LPF S120



LPF S320



LPF L3



LPF SL1204

Platinum LPF - Ø30 mm series (flat-metal) - Vandal proof

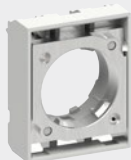
- Actuator profile of only 4 mm
- Screw panel fixing by two screws for secure mounting and vandal-proof installation
- Elegant style ergonomic design (*combining aesthetics with industrial durability*)
- IP66, IP67 and IP69K degree of protection for use even in extreme temperatures -25°C...+70°C
- Contact blocks, LED modules and **LPX AU120M** support

Actuators are supplied without **LPX AU120M** contact block support (*to be ordered separately*)

type	colour	style	description		action	price
Pushbutton actuators Ø30 mm						
LPF B102	black	flush	momentary action pushbutton actuator		spring return	208.00
LPF B103	green	flush	momentary action pushbutton actuator		spring return	208.00
LPF B104	red	flush	momentary action pushbutton actuator		spring return	208.00
LPF B105	yellow	flush	momentary action pushbutton actuator		spring return	208.00
LPF B106	blue	flush	momentary action pushbutton actuator		spring return	208.00
LPF B204	red	projecting	momentary action pushbutton actuator		spring return	263.00
Selector switch actuators Ø30 mm spring return						
LPF S120	black	2 position	O - I	selector switch actuator	–	466.00
LPF S121	black	2 position	O - I	selector switch actuator	from R	507.00
LPF S130	black	3 position	I - O - II	selector switch actuator	–	516.00
LPF S131	black	3 position	I - O - II	selector switch actuator	from L+R	562.00
LPF S133	black	3 position	I - O - II	selector switch actuator	from R	562.00
Key switch actuators Ø30 mm key release						
LPF S320	black	2 position	(O-I) Left	key switch actuator	–	1 060.00
LPF S321	black	2 position	(O-I) L+R	key switch actuator	–	1 060.00
LPF S340	black	2 position	(O-I) Left	key switch actuator	from Left	1 180.00
LPF S330	black	3 position	(I-O-II) Centre	key switch actuator	–	1 170.00
LPF S331	black	3 position	(I-O-II) L+C+R	key switch actuator	–	1 170.00
LPF S370	black	3 position	(I-O-II) Centre	key switch actuator	from L+R	1 210.00
Illuminated control and signalling devices Ø30 mm						
Pilot light head						
LPF L3	green	illuminated	pilot light head (with diffuser)		pilot light	223.00
LPF L4	red	illuminated	pilot light head (with diffuser)		pilot light	223.00
LPF L5	yellow	illuminated	pilot light head (with diffuser)		pilot light	223.00
LPF L6	blue	illuminated	pilot light head (with diffuser)		pilot light	223.00
Illuminated pushbuttons (with side visibility)						
LPF BL103	green	illuminated	flush momentary action actuator		spring return	381.00
LPF BL104	red	illuminated	flush momentary action actuator		spring return	381.00
LPF BL105	yellow	illuminated	flush momentary action actuator		spring return	381.00
LPF BL106	blue	illuminated	flush momentary action actuator		spring return	381.00
Illuminated selector switch actuators						
LPF SL1203	green	2 position	illuminated selector switch actuator		O - I	650.00
LPF SL1204	red	2 position	illuminated selector switch actuator		O - I	650.00
LPF SL1303	green	3 position	illuminated selector switch actuator		I - O - II	720.00
Other colours and configurations available on request.						
Contact blocks and support for LPF series						
LPX AU120M	support	contact block support for LPS and LPF - metallic actuators				64.00
Contact blocks - require LPX AU120M for metal actuators						
• Self cleaning, dual scrape/oscillating action contacts						
• Thermal current Ith: 10A - IEC rated insulation voltage: 690V (C20 / C02 / C11: 250V)						
LPX C10	1 x NO	standard	screw	contact block for control devices		93.00
LPX C01	1 x NC	standard	screw	contact block for control devices		93.00
LPX C20	2 x NO	standard	screw	contact block for control devices		212.00
LPX C02	2 x NC	standard	screw	contact block for control devices		212.00
LPX C11	1NO+1NC	standard	screw	contact block for control devices		212.00
LPX CS10	1 x NO	standard	push-in	contact block for control devices		130.00
LPX CS01	1 x NC	standard	push-in	contact block for control devices		130.00
Accessories for above LPF actuators						
LPFX AU100G	black	holder	legend holder for AU109 labels		12 mm (H)	31.70
LPX AU109	silver	engraversable	clip-in label for above holder		12 mm (H)	25.70
LPX AU109EN	silver	engraved	label (provide required engraving)		12 mm (H)	24.20

PLatinum SERIES


LPX AU120



LPX AU120M



LPX C01



LPX C20



LPX LFE...



LPX LPSB...



LPX LFB3



LPX LPSM...

Contact blocks and accessories

type	contact	supply	description	price
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Contact block supports - for LPC, LPS and LPF series control devices

- Supports up to 9 contact blocks (3 rows of 3 contact blocks)

LPX AU120	support	contact block	support for LPC	chromed plastic actuators	50.00
LPX AU120M	support	contact block	support for LPS/LPF	metallic actuators	64.00

Contact blocks require LPX AU120 for plastic and LPX AU120M for metal actuators

All versions LPC, LPS, LPF use the same contact elements, LED light elements and a wide range of accessories.

- Thermal current I_{th}: 10A - IEC rated insulation voltage: 690V (**C20 / C02 / C11**: 250V)
- Self-cleaning, dual scrape/oscillating action contacts
- Can be clipped onto the back of another contact block

LPX C10	1 x NO	standard	screw terminal contact block for control devices	93.00
LPX C01	1 x NC	standard	screw terminal contact block for control devices	93.00
LPX C20	2 x NO	standard	screw terminal contact block for control devices	212.00
LPX C02	2 x NC	standard	screw terminal contact block for control devices	212.00
LPX C11	1NO+1NC	standard	screw terminal contact block for control devices	212.00
LPX C10A	1 x NO	early make	screw terminal contact block for control devices	156.00
LPX C01D	1 x NC	late break	screw terminal contact block for control devices	156.00

Push-in terminals - for cables with ferrules (no tool required for insertion).

Guaranteed retaining force over time even in the presence of vibration and/or impact.

LPX CS10	1 x NO	standard	push-in terminal contact block for control devices	130.00
LPX CS01	1 x NC	standard	push-in terminal contact block for control devices	130.00

LED indicating modules (protected) for all control devices

- Overvoltage protection
- Electrical life: 100.000 hours
- Total protection against overvoltage/stray currents in wiring, reduced flickering phenomenon
- Clips onto **LPXAU120** and **LPXAU120M** supports

type	colour	supply voltage	lamp	state	description	price
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LED module (steady light)

LPX LPB3	green	12 - 30 VAC/DC	LED	steady	integrated lamp module	226.00
LPX LPB4	red	12 - 30 VAC/DC	LED	steady	integrated lamp module	226.00
LPX LPB5	yellow	12 - 30 VAC/DC	LED	steady	integrated lamp module	226.00
LPX LPB6	blue	12 - 30 VAC/DC	LED	steady	integrated lamp module	226.00
LPX LPB8	white	12 - 30 VAC/DC	LED	steady	integrated lamp module	226.00
LPX LPE3	green	85 - 140 VAC	LED	steady	integrated lamp module	321.00
LPX LPE4	red	85 - 140 VAC	LED	steady	integrated lamp module	321.00
LPX LPE5	yellow	85 - 140 VAC	LED	steady	integrated lamp module	321.00
LPX LPE6	blue	85 - 140 VAC	LED	steady	integrated lamp module	321.00
LPX LPE8	white	85 - 140 VAC	LED	steady	integrated lamp module	321.00
LPX LPM3	green	185 - 265 VAC	LED	steady	integrated lamp module	338.00
LPX LPM4	red	185 - 265 VAC	LED	steady	integrated lamp module	338.00
LPX LPM5	yellow	185 - 265 VAC	LED	steady	integrated lamp module	338.00
LPX LPM6	blue	185 - 265 VAC	LED	steady	integrated lamp module	338.00
LPX LPM8	white	185 - 265 VAC	LED	steady	integrated lamp module	338.00

LED module (flashing light)

LPX LFB3	green	18 - 30 VAC/DC	LED	flashing	integrated lamp module	516.00
LPX LFB4	red	18 - 30 VAC/DC	LED	flashing	integrated lamp module	516.00
LPX LFB5	yellow	18 - 30 VAC/DC	LED	flashing	integrated lamp module	516.00
LPX LFB6	blue	18 - 30 VAC/DC	LED	flashing	integrated lamp module	516.00
LPX LFB8	white	18 - 30 VAC/DC	LED	flashing	integrated lamp module	516.00
LPX LFM3	green	185 - 265 VAC	LED	flashing	integrated lamp module	774.00
LPX LFM4	red	185 - 265 VAC	LED	flashing	integrated lamp module	774.00
LPX LFM5	yellow	185 - 265 VAC	LED	flashing	integrated lamp module	774.00
LPX LFM6	blue	185 - 265 VAC	LED	flashing	integrated lamp module	774.00
LPX LFM8	white	185 - 265 VAC	LED	flashing	integrated lamp module	774.00

LED module (push-in terminals)

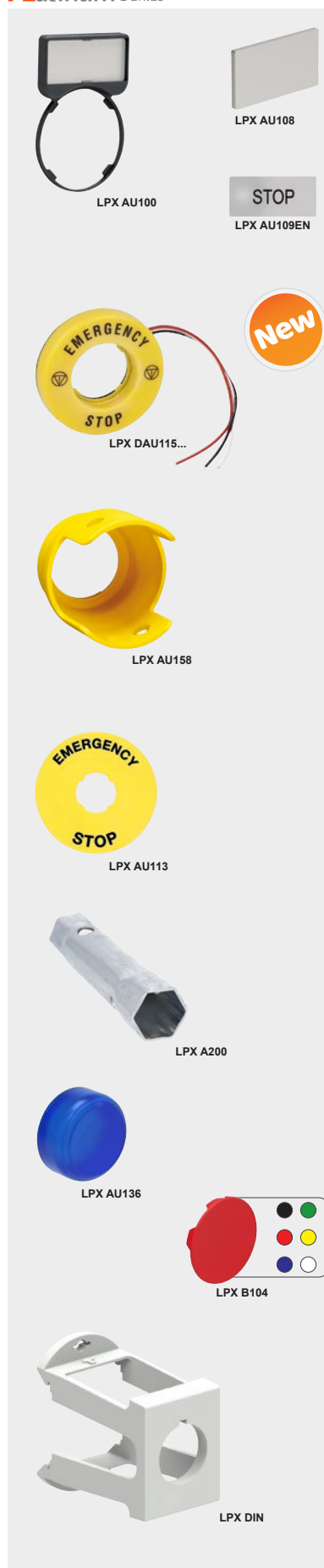
- For cables with ferrules - simply push ferrule into terminals (no tool required for insertion)
- guaranteed retaining force over time even in presence of vibration and/or impact

LPX LPSB*	*	12 - 30 VAC/DC	LED	steady	integrated lamp module	258.00
LPX LPSM*	*	185 - 265 VAC	LED	steady	integrated lamp module	389.00
LPX LFE*	*	85 - 140 VAC	LED	steady	integrated lamp module	740.00

* Replace with: 3 (green) / 4 (red) / 5 (yellow) / 6 (blue) / 8 (white) - for colours

Control device accessories

PLatinum SERIES



Accessories for control and signalling devices

All versions LPC, LPS, LPF use the same contact elements, LED light elements and a wide range of accessories.

type	colour	supply	description		price
Legend plates and labels - for LPC, LPS and LPF series control devices					
LPX AU100	black	Ø22 mm	legend holder for AU109 labels	12 mm (H)	21.50
LPFX AU100G	black	Ø30 mm	legend holder for AU109 labels	12 mm (H)	31.70
LPX AU101	black	Ø22 mm	legend holder for joystick controllers	12 mm (H)	88.00
LPX AU109	silver	engraveable	clip-in label for (above) holders	12 mm (H)	25.70
LPX AU109EN	silver	engraved	label (provide required engraving)	12 mm (H)	24.20
LPX AU105	black	Ø22 mm	legend holder for AU108 labels	15 mm (H)	26.90
LPX AU108	silver	engraveable	clip-in label for (above) holders	15 mm (H)	26.90
LPX AU108EN	silver	engraved	label (provide required engraving)	15 mm (H)	25.30

Illuminated "Emergency Stop" disc - for 22 mm mushroom head pushbuttons

- To enhance visibility of the emergency button ensuring its operation in conditions of low visibility
- Two light functions: Steady or flashing (*selectable*)

LPX DAU115024	yellow	24 VAC/DC	LED	illuminated emergency disc	Ø60 mm	537.00
LPX DAU115230	yellow	240 VAC	LED	illuminated emergency disc	Ø60 mm	590.00

Protection shrouds - (to prevent inadvertent operation of mushroom pushbuttons)

LPX AU158	yellow	shroud	padlockable for latching mushroom pushbutton		137.00
LPX AU159	yellow	half shroud	prevents inadvertent operation of mushroom p/button		244.00

Emergency labels (to be mounted behind mushroom pushbuttons)

LPX AU113	yellow	"emergency stop" plastic label/disc for pushbuttons	Ø90 mm	75.00
LPX AU115	yellow	"emergency stop" plastic label/disc for pushbuttons	Ø60 mm	73.00
LPX AU110	yellow	"emergency stop" adhesive label for pushbuttons	65 x 35 mm	72.00

Accessories for control and signalling device

LPX A130	grey	Ø22 mm hole blanking plug (<i>threaded</i>)		28.10
LPX A140	grey	action plug for using central position on actuators		16.20
LPX A150	grey	spare rod (150 mm) for mechanical reset pushbuttons		54.00
LPX A170	silver	No. 455 replacement standard key set for key switches		186.00
LPX A170R*	silver	special key set for key switches with different keys		241.00

* Add: 421E, 458A, 520E, 3131A, 3433E (for different key requirement)

LPX AU00	black	spare plastic threaded nut for mounting plastic actuators		14.40
LPX AU01	silver	replacement ring (<i>steel</i>) with teeth to avoid turning when mounted		61.00
LPX A162	silver	reduction ring to mount Ø22 mm LPC through Ø30 mm hole		159.00
LPX A162M	silver	reduction ring to mount Ø22 mm LPS through Ø30 mm hole		206.00
LPX A200	silver	socket spanner for actuator fixing ring tightening		311.00

Rubber protection boots for pushbuttons

LPX AU13*	*	rubber boot	protection boot for flush pushbutton actuators	55.00
LPX AU14*	*	rubber boot	rubber protection boot for extended pushbuttons	59.00
LPX AU157	t/parent	rubber boot	protection boot for double/triple touch pushbuttons	166.00
LPX AU167	t/parent	rubber boot	rubber protection boot for mushroom pushbuttons	374.00
LPX AU170	t/parent	rubber boot	protection cover (<i>hinged</i>) for Ø22 mm pushbuttons	229.00

* Replace with: 2 (black) / 3 (green) / 4 (red) / 5 (yellow) / 6 (blue) / 8 (white) - for colours

Spares for pushbuttons

LPX B10*	*	replacement front cap for flush pushbutton actuators	18.60
LPX B20*	*	replacement front cap for extended head pushbutton actuators	22.10
LPX BL10*	*	replacement lens for illuminated flush pushbutton actuators	62.00
LPX BL20*	*	replacement lens for illuminated ext. head pushbutton actuators	78.00

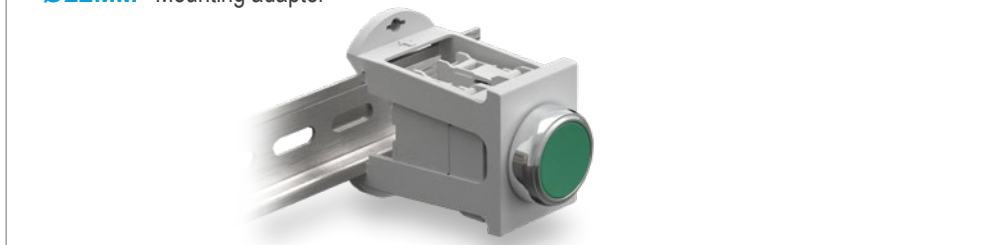
* Replace with: 2 (black) / 3 (green) / 4 (red) / 5 (yellow) / 6 (blue) / 8 (white) - for colours

DIN-rail mount adaptor for control devices

- To mount Ø22 mm control devices on DIN-rail
- Same profile as standard MCBs fits into standard distribution boards with (45 mm cut-out)

LPX DIN	grey	DIN-rail	mounting adaptor for Ø22 mm pushbuttons	61.00
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Ø22MM - Mounting adaptor





LMP B104T01



LMP B204T11



LMP B6144T11



LMP B6644T01



LMP S120T10



LMP S330T20



LPM LB3



LPM LB5

Ø22 mm Monoblock control devices - Actuator with built-in contact arrangement

- Contact rating: 5A - 240 VAC
- Protection: IP66/67/69K (rear terminals IP20)

type	colour	contact		description	action	price
Pushbutton switches Lens: Ø29 x 13 - Body: L 42.5 mm						
LMP B104T01	red	1 NO	flush	momentary pushbutton	spring ret.	66.00
LMP B103T10	green	1 NC	flush	momentary pushbutton	spring ret.	66.00
LMP B103T11	green	1NO + 1NC	flush	momentary pushbutton	spring ret.	86.00
LMP B104T11	red	1NO + 1NC	flush	momentary pushbutton	spring ret.	86.00
LMP B102T11	black	1NO + 1NC	flush	momentary pushbutton	spring ret.	86.00
LMP B108T11	white	1NO + 1NC	flush	momentary pushbutton	spring ret.	86.00
LMP B204T11	red	1NO + 1NC	project	projecting head pushbutton	spring ret.	95.00
Alternate action pushbutton actuator (push-on / push-off)						
LMP Q102T11	black	1NO + 1NC	flush	alternate action p/button actuator	alternate	165.00

Mushroom head pushbutton switches Lens: Ø40 x 21/33 - Body: L 42.5 mm						
LMP B6144T11	red	1NO + 1NC		mushroom head pushbutton	spring ret.	86.00
LMP B6644T01	red	1 NC	latching	mushroom head pushbutton	twist rel.	102.00
LMP B6644T11	red	1NO + 1NC	latching	mushroom head pushbutton	twist rel.	120.00

Selector switches Lens: Ø29 x 26 - Body: L 42.5 mm						
2 position selector switches spring ret.						
LMP S120T10	black	1NO	O - I	2 position	selector switch	75.00
LMP S120T11	black	1NO + 1NC	O - I	2 position	selector switch	93.00
3 position selector switches						
LMP S130T20	black	2 NO	I - O - II	3 position	selector switch	101.00
LMP S131T20	black	2 NO	I - O - II	3 position	selector switch	101.00

Key operated selector switch Lens: Ø29 x 46.2 - Body: L 42.5 mm						
2 position key switches (key removable from left position)						
LMP S320T10	black	1NO	O - I	2 position	key actuated selector switch	282.00
3 position key switches (key removable from centre position)						
LMP S330T20	black	2 NO	I - O - II	3 position	key actuated selector switch	287.00

Monoblock LED pilot lights

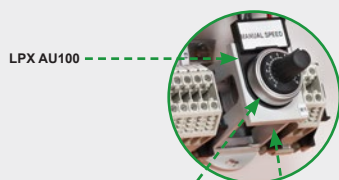
LPM series are designed as single units, integrating the LED light source, lens, and housing into a compact space-saving form factor. This makes them ideal for applications where space is limited or where multiple indicators need to be installed in close proximity.

- Electrical life: >30.000 hours
- Compliant with standards: IEC/EN 60947-1, IEC/EN60947-5-1, UL508, CSA C22.2 no 14
- Protection: IP66/67/69K (rear terminals IP20)

type	colour	supply		description	price
LPM LB1	orange	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LB3	green	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LB4	red	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LB5	yellow	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LB6	blue	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LB7	t/parent	24 VAC/DC	Ø22 mm	monoblock panel-mount LED pilot light	98.00
LPM LE1	orange	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LE3	green	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LE4	red	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LE5	yellow	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LE6	blue	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LE7	t/parent	110 VAC	Ø22 mm	monoblock panel-mount LED pilot light	261.00
LPM LM1	orange	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00
LPM LM3	green	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00
LPM LM4	red	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00
LPM LM5	yellow	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00
LPM LM6	blue	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00
LPM LM7	t/parent	230 VAC	Ø22 mm	monoblock panel-mount LED pilot light	113.00

PLatinum SERIES


LPC ZS...



LPC AU100



LPC PA001



LPC D01

Monoblock control and signalling devices Ø22 mm

- Protection: **IP66, IP67 and IP69K**
- Service life: **>30.000 hours**

Ø22 mm control and signalling devices

type	colour	supply voltage	IP	dB/10cm	description	price
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Monoblock buzzers - Continuous or pulse tone sound

Monoblock buzzers are used as acoustic indication in automation systems and on-board machinery in production processes and manufacturing environments.

Long life - low consumption - compact dimensions

- Continuous or pulse tone
- Service life: **>30.000 hours (permanently energised)**
- Operating temperature: **-25...+70°C**
- Side cable entry

IP40 version (90 dB/10cm)

LPC ZSA	black	9 - 15 VAC/DC	IP40	90dB	Ø22 mm panel-mount buzzer	280.00
LPC ZSB	black	18 - 30 VAC/DC	IP40	90dB	Ø22 mm panel-mount buzzer	280.00
LPC ZSM	black	185 - 265 VAC/DC	IP40	90dB	Ø22 mm panel-mount buzzer	280.00

IP66/67/69K version (80 dB/10cm)

LPC ZSAIP	black	9 - 15 VAC/DC	66-69K	80dB	Ø22 mm panel-mount buzzer	1 060.00
LPC ZSBIP	black	18 - 30 VAC/DC	66-69K	80dB	Ø22 mm panel-mount buzzer	1 060.00
LPC ZSMIP	black	185 - 265 VAC/DC	66-69K	80dB	Ø22 mm panel-mount buzzer	1 210.00

Monoblock potentiometers UL-certified for use in demanding ambient conditions

Monoblock potentiometers are compact, single-unit potentiometers which consist of shafts and feature a rotary design, allowing users to adjust resistance by turning the knob. By integrating the shaft and knob into a single unit, making it more space-efficient and easier to install.

Potentiometers are typically used for regulating parameters of many devices (e.g. the speed of electric motors through static converters, temperature regulation etc.)

Mounts through standard Ø22 mm pushbutton mounting hole.

- Protection degree: **IP66, IP67 and IP69K**
- Monoblock body: **With 1-turn graduated scale**
- Insulation voltage Ui: **250 VAC**
- Resistance tolerance: **±10%**
- Operating temperature: **-25...+70°C**
- Cermet technology ensures stable, constant resistance values over time

LPC PA001	black	0...1kΩ	66-69K	panel-mounting potentiometer	422.00
LPC PA005	black	0...5kΩ	66-69K	panel-mounting potentiometer	422.00
LPC PA010	black	0...10kΩ	66-69K	panel-mounting potentiometer	422.00

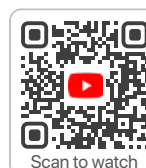
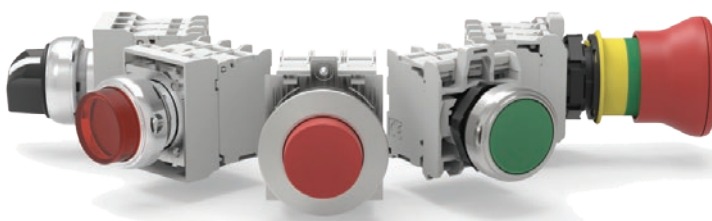
USB and RJ45 communication interfaces Ø22mm IP65 (with cap closed)

USB and RJ45 communication interface connectors are used in industrial environments, which in recent years have seen an increase in the number of connections between machines, production lines, equipment and measuring instruments.

These interfaces provide the transmission of data in both directions between the various devices.

Overall these connectors offer reliable communication and connectivity within compact and durable monoblock designs, ensuring optimal performance in demanding environments.

LPC D01	black	USB	A-A	panel-mount communication interface	824.00
LPC D03	black	USB	A-B	panel-mount communication interface	824.00
LPC D05	black	USB	B-A	panel-mount communication interface	824.00
LPC D06	black	RJ45	Ethernet	panel-mount communication interface	914.00

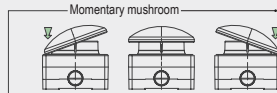
PLatinum SERIES


Scan to watch

Pushbutton control stations



LPZ P1B5600



LP9S01R



LPZ P2B8901



LPZ P1A5P



LPZ P1A8



LPZ P3A8



LPZ M5A8



LPZ M4A8



LPZ M2A8

Polycarbonate pushbutton control stations

- High protection degree: IP66, IP67, IP69K
- New styling with incorporated anti-rotation facility for actuators
- M16 or M20/25 cable gland knock-outs on all sides and base
- Easy wiring with internal contact identification on cover and on base
- Contact blocks and lamp modules are base mounted with screw terminals facing forward

type	button colour	contact	cover colour	button symbol	description	dimensions(mm) (H) (W) (D)			price
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Complete pushbutton stations

1-way pushbutton stations

LPZ P1B8100	green	1 x NO	grey	I	flush pushbutton station				602.00
LPZ P1B8102	red	1 x NC	grey	O	extended pushbutton station	72	72	56	602.00
LPZ P1B5600	red	1 x NC	yellow	—	latch mushroom twist release				1 010.00
LP9S01R	red	1 x NC	grey		palm pushbutton station	94	94	90	714.00
LP9P02R	red	2 x NC	yellow		palm latching pull release station				1 010.00

2-way pushbutton stations

LPZ P2B8901	green	1 x NO	grey	I	flush pushbutton station	117	72	56	1 030.00
	red	1 x NC	grey	O	extended pushbutton station				
LPZ P2B802ZA*	green	1 x NO	grey	I	flush pushbutton	151	72	56	885.00
	red	1 x NC	grey	—	latch mushroom twist release				

* Taller housing (H) 151 mm to accommodate padlock shroud **LPX AU158** (see page D-8)

3-way pushbutton stations

	green	1 x NO	grey	↑	flush pushbutton				
LPZ P3B8907	red	1 x NC	grey	O	extended pushbutton	151	72	56	1 410.00
	green	1 x NO	grey	↓	flush pushbutton				

Empty pushbutton stations (without actuators and contact blocks)

type	holes	rows	cover	description	(H)	(W)	(D)	price
LPZ P1A5	1-hole	1	yellow	empty polycarb pushbutton station	72	72	56	126.00
LPZ P1A5P	1-hole	1	yellow	empty p/button station with shroud	73	72	56	566.00
LPZ P1A8	1-hole	1	grey	empty polycarb pushbutton station	72	72	56	128.00
LPZ P2A8	2-hole	1	grey	empty polycarb pushbutton station	117	72	56	155.00
LPZ P3A8	3-hole	1	grey	empty polycarb pushbutton station	151	72	56	180.00
LPZ P4A8	4-hole	1	grey	empty polycarb pushbutton station	186	72	56	282.00
LPZ P5A8	5-hole	1	grey	empty polycarb pushbutton station	220	72	56	347.00
LPZ P6A8	6-hole	1	grey	empty polycarb pushbutton station	256	72	56	417.00
LPZ XP5	4-piece set yellow screw protection caps for pushbutton stations					4pcs		76.00
LPZ XP8	4-piece set grey screw protection caps for pushbutton stations					4pcs		76.00

Base mounting contact blocks and indicating modules for above stations

LPX CB10	green	1 x NO	base-mount screw-terminal contact block for above stations					119.00
LPX CB01	red	1 x NC	base-mount screw-terminal contact block for above stations					119.00
LPX LPBB*		* 12 - 30 VAC/DC	base-mount LED-integrated lamp module for above stations					236.00
LPX LPBM*		* 185 - 265 VAC	base-mount LED-integrated lamp module for above stations					355.00

* Replace with: 3 (green) / 4 (red) / 5 (yellow) / 6 (blue) / 8 (white) - for colours

Metallic control stations IP66, IP67

- Without actuators and contact blocks
- Enclosures made of aluminium alloy suitable for pushbuttons, selector switches and pilot lights
- Cable entry Ø21 mm (for M20 or PG13.5 cable glands)
- No cable entry for 8/12/16-way

LPZ M1A5	1-hole	1	yellow	industrial metal pushbutton station	80	80	73	691.00
LPZ M1A5P	1-hole	1	yellow	p/button station (with half shroud)	80	80	73	969.00
LPZ M1A8	1-hole	1	grey	industrial metal pushbutton station	80	80	73	691.00
LPZ M2A8	2-hole	1	grey	industrial metal pushbutton station	130	80	73	859.00
LPZ M3A8	3-hole	1	grey	industrial metal pushbutton station	170	80	73	1 030.00
LPZ M4A8	4-hole	1	grey	industrial metal pushbutton station	170	80	73	1 140.00
LPZ M5A8	5-hole	1	grey	industrial metal pushbutton station	230	80	73	1 500.00
LPZ M6A8	6-hole	1	grey	industrial metal pushbutton station	230	80	73	1 610.00
LPZ M8CA8	8-hole	2 x 4	grey	industrial metal pushbutton station	160	160	90	1 860.00
LPZ M12CA8	12-hole	3 x 4	grey	industrial metal pushbutton station	170	190	90	2 040.00
LPZ M16CA8	16-hole	4 x 4	grey	industrial metal pushbutton station	190	250	90	2 430.00

Rotary cam switches



GX16...



GX32...U25



GX16 52U



GXM6

GX series - Rotary cam switches

type	poles	contact rating		description	action	price
		AC1 (A)	AC23A (kW at 400V)			
• 16A/20A switches (std. 48 x 48 mm), 32A/40A switches (std. 65 x 65 mm) front plate						
ON/OFF switches						
GX16 90U	1-pole	16A	5.5 kW	on-off switch	(O-I)	366.00
GX16 91U	2-pole	16A	5.5 kW	on-off switch	(O-I)	426.00
GX16 10U	3-pole	16A	5.5 kW	on-off switch	(O-I)	509.00
GX16 92U	4-pole	16A	5.5 kW	on-off switch	(O-I)	568.00
GX20 90U	1-pole	20A	7.5 kW	on-off switch	(O-I)	440.00
GX20 91U	2-pole	20A	7.5 kW	on-off switch	(O-I)	511.00
GX20 10U	3-pole	20A	7.5 kW	on-off switch	(O-I)	610.00
GX20 92U	4-pole	20A	7.5 kW	on-off switch	(O-I)	682.00
GX32 90U	1-pole	32A	15 kW	on-off switch	(O-I)	693.00
GX32 91U	2-pole	32A	15 kW	on-off switch	(O-I)	845.00
GX32 10U	3-pole	32A	15 kW	on-off switch	(O-I)	1 060.00
GX32 92U	4-pole	32A	15 kW	on-off switch	(O-I)	1 210.00
GX40 90U	1-pole	40A	18.5 kW	on-off switch	(O-I)	932.00
GX40 91U	2-pole	40A	18.5 kW	on-off switch	(O-I)	1 160.00
GX40 10U	3-pole	40A	18.5 kW	on-off switch	(O-I)	1 470.00
GX40 92U	4-pole	40A	18.5 kW	on-off switch	(O-I)	1 690.00
ON/OFF isolators with padlockable red/yellow operating handle						
GX16 10U25	3-pole	16A	5.5 kW	main isolator	(O-I)	605.00
GX16 92U25	4-pole	16A	5.5 kW	main isolator	(O-I)	664.00
GX32 10U25	3-pole	32A	15 kW	main isolator	(O-I)	978.00
GX32 92U25	4-pole	32A	15 kW	main isolator	(O-I)	1 320.00
Changeover switches with "OFF" position						
GX16 51U	1-pole	16A	5.5 kW	changeover switch	(I-O-II)	426.00
GX16 52U	2-pole	16A	5.5 kW	changeover switch	(I-O-II)	568.00
GX16 53U	3-pole	16A	5.5 kW	changeover switch	(I-O-II)	710.00
GX16 75U	4-pole	16A	5.5 kW	changeover switch	(I-O-II)	852.00
GX20 51U	1-pole	20A	7.5 kW	changeover switch	(I-O-II)	511.00
GX20 52U	2-pole	20A	7.5 kW	changeover switch	(I-O-II)	682.00
GX20 53U	3-pole	20A	7.5 kW	changeover switch	(I-O-II)	852.00
GX20 75U	4-pole	20A	7.5 kW	changeover switch	(I-O-II)	1 030.00
GX32 51U	1-pole	32A	15 kW	changeover switch	(I-O-II)	845.00
GX32 52U	2-pole	32A	15 kW	changeover switch	(I-O-II)	1 210.00
GX32 53U	3-pole	32A	15 kW	changeover switch	(I-O-II)	1 570.00
GX32 75U	4-pole	32A	15 kW	changeover switch	(I-O-II)	1 930.00
GX40 51U	1-pole	40A	18.5 kW	changeover switch	(I-O-II)	1 160.00
GX40 52U	2-pole	40A	18.5 kW	changeover switch	(I-O-II)	1 690.00
GX40 53U	3-pole	40A	18.5 kW	changeover switch	(I-O-II)	2 220.00
GX40 75U	4-pole	40A	18.5 kW	changeover switch	(I-O-II)	2 750.00
Changeover switches without "OFF" position						
GX16 54U	1-pole	16A	5.5 kW	changeover switch	(I-II)	426.00
GX16 55U	2-pole	16A	5.5 kW	changeover switch	(I-II)	568.00
GX16 56U	3-pole	16A	5.5 kW	changeover switch	(I-II)	710.00
GX16 69U	4-pole	16A	5.5 kW	changeover switch	(I-II)	852.00
GX20 54U	1-pole	20A	7.5 kW	changeover switch	(I-II)	511.00
GX20 55U	2-pole	20A	7.5 kW	changeover switch	(I-II)	682.00
GX20 56U	3-pole	20A	7.5 kW	changeover switch	(I-II)	852.00
GX20 69U	4-pole	20A	7.5 kW	changeover switch	(I-II)	1 030.00
GX32 54U	1-pole	32A	15 kW	changeover switch	(I-II)	845.00
GX32 55U	2-pole	32A	15 kW	changeover switch	(I-II)	1 210.00
GX32 56U	3-pole	32A	15 kW	changeover switch	(I-II)	1 570.00
GX32 69U	4-pole	32A	15 kW	changeover switch	(I-II)	1 930.00
Voltmeter selector switches						
GX16 67U	—	16A		voltmeter selector switch	ph-ph + off	453.00
GX16 66U	—	16A		voltmeter selector switch	ph-ph/ph-n + off	577.00
Ammeter selector switches						
GX16 97U	—	16A		ammeter selector switch	direct reading	1 260.00
GX16 98U	—	16A		ammeter selector switch	for 3 CTs	614.00
Accessories for GX series cam switches						
GXM5	48 x 60 mm			front plate with legend for GX switches	16/20A	172.00
GXM6	65 x 80 mm			front plate with legend for GX switches	32/40A	185.00

Rotary cam switches



227603



227622



227636



WE40

PR ONE series - Rotary cam switches

- 45° switching angle
- Forced opened contacts
- IP40 front protection, IP20 rear terminal (*finger protection*)
- Fulfills load break requirements up to 690V
- Operating temperature limits: -20°C...70°C
- Front bezel: 48 mm □ - engraved aluminium plate with black handle
- Standards: IEC EN 60947-1, 60947-3, UL508, UL-CSA

type	contact rating AC-21 (AC-23 at 400V)		poles	description		action	price
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ON-OFF switches

227600	16A	7.5 kW	1-pole	on-off rotary cam switch	(O-I)		395.00
227601	16A	7.5 kW	2-pole	on-off rotary cam switch	(O-I)		463.00
227602	16A	7.5 kW	3-pole	on-off rotary cam switch	(O-I)		531.00
227603	25A	11 kW	1-pole	on-off rotary cam switch	(O-I)		542.00
227604	25A	11 kW	2-pole	on-off rotary cam switch	(O-I)		647.00
227605	25A	11 kW	3-pole	on-off rotary cam switch	(O-I)		776.00
227606	32A	11 kW	1-pole	on-off rotary cam switch	(O-I)		626.00
227608	32A	11 kW	3-pole	on-off rotary cam switch	(O-I)		977.00

Change-over switches (with "OFF" position)

227609	16A	7.5 kW	1-pole	changeover rotary cam switch	(I-O-II)		463.00
227610	16A	7.5 kW	2-pole	changeover rotary cam switch	(I-O-II)		595.00
227611	16A	7.5 kW	3-pole	changeover rotary cam switch	(I-O-II)		751.00
227612	25A	11 kW	1-pole	changeover rotary cam switch	(I-O-II)		647.00
227613	25A	11 kW	2-pole	changeover rotary cam switch	(I-O-II)		864.00
227614	25A	11 kW	3-pole	changeover rotary cam switch	(I-O-II)		1 080.00
227615	32A	11 kW	1-pole	changeover rotary cam switch	(I-O-II)		773.00
227616	32A	11 kW	2-pole	changeover rotary cam switch	(I-O-II)		1 110.00
227617	32A	11 kW	3-pole	changeover rotary cam switch	(I-O-II)		1 470.00

2 to 5 way switches with (with "OFF" position)**2-way switches with OFF**

227618	16A	7.5 kW	1-pole	2-contact rotary cam switch	(O-I-II)		463.00
227619	16A	7.5 kW	2-pole	4-contact rotary cam switch	(O-I-II)		595.00
227620	16A	7.5 kW	3-pole	6-contact rotary cam switch	(O-I-II)		751.00
227624	25A	11 kW	1-pole	2-contact rotary cam switch	(O-I-II)		647.00
227625	25A	11 kW	2-pole	4-contact rotary cam switch	(O-I-II)		864.00
227626	25A	11 kW	3-pole	6-contact rotary cam switch	(O-I-II)		1 080.00
227630	32A	11 kW	1-pole	2-contact rotary cam switch	(O-I-II)		773.00
227631	32A	11 kW	2-pole	4-contact rotary cam switch	(O-I-II)		1 110.00
227632	32A	11 kW	3-pole	6-contact rotary cam switch	(O-I-II)		1 470.00

3-way switches with OFF

227621	16A	7.5 kW	1-pole	3-contact rotary cam switch	O-I-2-3		531.00
227627	25A	11 kW	1-pole	3-contact rotary cam switch	O-I-2-3		773.00

4-way switches with OFF

227622	16A	7.5 kW	1-pole	4-contact rotary cam switch	O-I-2-3-4		595.00
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5-way switches with OFF

227623	16A	7.5 kW	1-pole	5-contact rotary cam switch	O-I-2-3-4-5		711.00
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Binary code switches (Ideal for VSD panels up to 11 preset positions)

(set point)

N62338A	—	—	4-pole	binary cam switch	(0-3)		749.00
N13484A	—	—	4-pole	binary cam switch	(0-5)		875.00
NR56EQ10A	—	—	4-pole	binary cam switch	(0-7)		848.00
NR51UQ10A	—	—	4-pole	binary cam switch	(0-11)		969.00

Instrument switches**Voltmeter switch, with neutral**

227636	16A	7.5 kW	1-pole	voltmeter selector switch (ph-ph/ph-N+off)			751.00
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Ammeter switch, 3 CTs with common point

227637	16A	7.5 kW	1-pole	ammeter selector switch (for 3 CTs)			751.00
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Accessories for above cam switches

WE40	□ 48 mm	aluminium	engrivable blank legend plate insert				31.30
Q048	□ 48 mm	aluminium	engrivable duty label for legend				30.00
IF9	—	aluminium	insert for above duty label				52.00

Indicating devices



AD16-16DSR02



AD16-16DSY22



AD16-16DSG22



AD16-16MR22



AD22-22DSR01



AD22-22DSG02



AD22-22DSB38



AD22-22D/KW22

LED pilot lights - Super bright multi-chip LED pilot lights (with diffuser/legend insert)

- Shock resistant, low power consumption $\geq 20\text{mA}$
- Brightness: $\geq 100\text{cd/m}^2$
- Long life $\geq 30.000\text{ hrs}$

type	lens colour	voltage ± 20%	mounting hole Ø	description	price
Ø16 mm LED pilot lights (high brightness)			Lens: Ø19 x 10 - Body: L 24 mm		
• IP65 (IP20 terminal protection)					
AD16-16DSR02	red	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSG02	green	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSY02	yellow	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSB02	blue	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSW02	white	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSR11	red	110 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSG11	green	110 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSY11	yellow	110 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSB11	blue	110 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSW11	white	110 VAC/DC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSR22	red	220 VAC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSG22	green	220 VAC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSY22	yellow	220 VAC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSB22	blue	220 VAC	Ø16 mm	panel-mount LED pilot light	35.60
AD16-16DSW22	white	220 VAC	Ø16 mm	panel-mount LED pilot light	35.60

Self-flashing LED pilot light and electronic buzzer

Lens: Ø19 x 10 - Body: L 41.5 mm

AD16-16MR02	red	24 VAC/DC	Ø16 mm	self-flash LED p/light + buzzer	72.00
AD16-16MR22	red	220 VAC	Ø16 mm	self-flash LED p/light + buzzer	72.00

Ø22 mm LED pilot lights (high brightness) - 4 LEDs

Lens: Ø29 x13 mm - Body: L 39 mm

• IP65 (IP20 terminal protection)					
AD22-22DSR01	red	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSG01	green	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSA01	amber	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSY01	yellow	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSB01	blue	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSW01	white	12 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSR02	red	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSG02	green	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSA02	amber	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSY02	yellow	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSB02	blue	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSW02	white	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSR11	red	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSG11	green	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSA11	amber	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSY11	yellow	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSB11	blue	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSW11	white	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSR22	red	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSG22	green	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSA22	amber	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSY22	yellow	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSB22	blue	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSW22	white	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSR38	red	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSG38	green	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSA38	amber	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSY38	yellow	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSB38	blue	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60
AD22-22DSW38	white	380 VAC	Ø22 mm	panel-mount LED pilot light	35.60

Ø22 mm LED pilot lights with anti-interference

Longer body: L 50 mm

- Longer body accommodates built-in anti-interference circuit (threshold value - below 40V)
- Prevents unwanted illuminating in presence of slight voltage backfeed in certain applications

AD22-22D/KR22	red	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00
AD22-22D/KG22	green	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00
AD22-22D/KA22	amber	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00
AD22-22D/KY22	yellow	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00
AD22-22D/KB22	blue	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00
AD22-22D/KW22	white	230 VAC	Ø22 mm	panel-mount LED pilot light	50.00



AD22-22MR02



AD22-22MK02



RZ3A1A60S3



AD30-30DSG22



AD30-30MR02

Panel-mount control / indicating devices Ø22/30 mm

type	colour	voltage ± 20%	mounting hole Ø	description	price
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Ø22 mm dual colour LED pilot light IP65

- Dual light - red or green LED indication on one pilot light (*white lens*)
- Lens: Ø29 x 13 - Body: L 54 mm

AD22-22DRG02	red/green	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	125.00
AD22-22DRG11	red/green	110 VAC/DC	Ø22 mm	panel-mount LED pilot light	125.00
AD22-22DRG22	red/green	220 VAC	Ø22 mm	panel-mount LED pilot light	125.00

Self-flashing LED pilot light (intermittent flashing - 2 Hz)

AD22-22SR02	red	24 VAC/DC	Ø22 mm	self-flashing LED pilot light	107.00
AD22-22SR22	red	220 VAC	Ø22 mm	self-flashing LED pilot light	107.00

Ø22 mm panel-mount buzzer IP40

- Continuous sound buzzer (*80dB - 10 cm*)
- Lens: Ø30 x 13 - Body: L 49 mm

AD22-22MK02	black	24 VAC/DC	Ø22 mm	panel-mounting buzzer	98.00
AD22-22MK22	black	220 VAC	Ø22 mm	panel-mounting buzzer	98.00

Combination buzzer / flashing LED pilot light

- Intermittent sound and flashing pilot light

AD22-22MR02	red	24 VAC/DC	Ø22 mm	self-flash LED p/light + buzzer	98.00
AD22-22MR22	red	220 VAC	Ø22 mm	self-flash LED p/light + buzzer	98.00

Ø22 mm panel-mount electronic timer IP65

- Function: On-delay timer range: 0 - 60 seconds
- Mounting: Mounts through standard Ø22.5 mm pushbutton hole
- Supply voltage: 24 VDC
- Switching current: 200 mA
- Indication: Facia illuminates - green during timing / red - at time lapse
- Operating temp: -5°C...+55°C

RZ3A1A60S3	0...60 sec	10...30 VDC	Ø22 mm	on-delay p/mount analog timer	509.00
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Ø30 mm panel-mount indicating devices IP65

- Ø30 mm LED pilot lights (*high brightness*)
- Lens: Ø36.2 x 15 - Body: L 40 mm

AD30-30DSR02	red	24 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSG02	green	24 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSY02	yellow	24 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSB02	blue	24 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSW02	white	24 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSR22	red	220 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSG22	green	220 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSY22	yellow	220 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSB22	blue	220 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSW22	white	220 VAC/DC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSR38	red	380 VAC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSG38	green	380 VAC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSY38	yellow	380 VAC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSB38	blue	380 VAC	Ø30 mm	panel-mount LED pilot light	72.00
AD30-30DSW38	white	380 VAC	Ø30 mm	panel-mount LED pilot light	72.00

Ø30 mm panel-mount buzzer IP40

Combination buzzer / flashing LED pilot light

Combining a buzzer with a flashing LED pilot light into a single 22 mm unit offers space-saving convenience and dual alerting methods for improved safety in industrial environments.

- Brightness: ≥ 100cd/m²
- Long life: ≥ 30.000 hrs
- Lens: Ø36.2 x 15 - Body: L 40 mm
- Continuous sound buzzer (80dB - 10 cm)
- Intermittent sound and flashing pilot light
- Shock resistant, low power consumption ≥ 20mA
- Super bright multi-chip LED pilot lights (*with diffuser / legend insert*)

AD30-30MR02	red	24 VAC/DC	Ø22 mm	self-flash LED pilot light + buzzer	125.00
AD30-30MR22	red	220 VAC/DC	Ø22 mm	self-flash LED pilot light + buzzer	125.00



Panel-mount control / indicating devices Ø22 mm

type	colour	voltage ± 20%	mounting hole Ø	description	price
AD101 series - Ø22 mm panel meter indicators					Lens: Ø30 x 15 - Body: L 31 mm
AD101 - Ø22 mm panel meter indicators with crystal screen offer large digit indication with sharp, defined, easy to read digits. Combination panel indicator/meter, providing indication such as Volts, Amps, Frequency or Temperature.					
Voltmeter indicator AC		20...500 VAC			
AD101-22VMR	red	20...500 VAC	Ø22 mm	voltmeter panel indicator	98.00
AD101-22VMG	green	20...500 VAC	Ø22 mm	voltmeter panel indicator	98.00
AD101-22VMY	yellow	20...500 VAC	Ø22 mm	voltmeter panel indicator	98.00
AD101-22VMB	blue	20...500 VAC	Ø22 mm	voltmeter panel indicator	98.00
AD101-22VMW	white	20...500 VAC	Ø22 mm	voltmeter panel indicator	98.00
Ammeter indicator AC		0...100A (with mini current transformer)			
AD101-22AMR	red	0...100A	Ø22 mm	ammeter panel indicator	205.00
AD101-22AMG	green	0...100A	Ø22 mm	ammeter panel indicator	205.00
AD101-22AMY	yellow	0...100A	Ø22 mm	ammeter panel indicator	205.00
AD101-22AMB	blue	0...100A	Ø22 mm	ammeter panel indicator	205.00
AD101-22AMW	white	0...100A	Ø22 mm	ammeter panel indicator	205.00
Frequency meter indicator		0...99Hz			
AD101-22HZR	red	0...99Hz	Ø22 mm	frequency panel indicator	98.00
AD101-22HZG	green	0...99Hz	Ø22 mm	frequency panel indicator	98.00
AD101-22HZY	yellow	0...99Hz	Ø22 mm	frequency panel indicator	98.00
AD101-22HZB	blue	0...99Hz	Ø22 mm	frequency panel indicator	98.00
AD101-22HZW	white	0...99Hz	Ø22 mm	frequency panel indicator	98.00
Temperature indicator		-22...+199°C			
AD101-22TMR	red	-22...+199°C	Ø22 mm	temperature panel indicator	231.00
AD101-22TMG	green	-22...+199°C	Ø22 mm	temperature panel indicator	231.00
AD101-22TMY	yellow	-22...+199°C	Ø22 mm	temperature panel indicator	231.00
AD101-22TMB	blue	-22...+199°C	Ø22 mm	temperature panel indicator	231.00
AD101-22TMW	white	-22...+199°C	Ø22 mm	temperature panel indicator	231.00
AD22 series - Ø22 mm panel-mount indicators					Lens: Ø30 x 15 - Body: L 36 mm
Combination panel indicator / panel meter, providing indication as Volts, Amps, Frequency					
Voltmeter indicator AC		20...500 VAC			
AD22-22VMR	red	20...500 VAC	Ø22 mm	voltmeter panel indicator	118.00
AD22-22VMG	green	20...500 VAC	Ø22 mm	voltmeter panel indicator	118.00
AD22-22VMY	yellow	20...500 VAC	Ø22 mm	voltmeter panel indicator	118.00
AD22-22VMB	blue	20...500 VAC	Ø22 mm	voltmeter panel indicator	118.00
AD22-22VMW	white	20...500 VAC	Ø22 mm	voltmeter panel indicator	118.00
Voltmeter indicator DC		5...60 VDC			
AD22-22VBR	red	5...60 VDC	Ø22 mm	voltmeter panel indicator	135.00
AD22-22VBG	green	5...60 VDC	Ø22 mm	voltmeter panel indicator	135.00
AD22-22VBY	yellow	5...60 VDC	Ø22 mm	voltmeter panel indicator	135.00
AD22-22VBB	blue	5...60 VDC	Ø22 mm	voltmeter panel indicator	135.00
AD22-22VBW	white	5...60 VDC	Ø22 mm	voltmeter panel indicator	135.00
Ammeter indicator AC		0...100A (with mini current transformer)			
AD22-22AMR	red	0...100A	Ø22 mm	ammeter panel indicator	222.00
AD22-22AMG	green	0...100A	Ø22 mm	ammeter panel indicator	222.00
AD22-22AMY	yellow	0...100A	Ø22 mm	ammeter panel indicator	222.00
AD22-22AMB	blue	0...100A	Ø22 mm	ammeter panel indicator	222.00
AD22-22AMW	white	0...100A	Ø22 mm	ammeter panel indicator	222.00
Frequency meter indicator		0...99Hz			
AD22-22HZR	red	0...99Hz	Ø22 mm	frequency panel indicator	118.00
AD22-22HZG	green	0...99Hz	Ø22 mm	frequency panel indicator	118.00
AD22-22HZY	yellow	0...99Hz	Ø22 mm	frequency panel indicator	118.00
AD22-22HZB	blue	0...99Hz	Ø22 mm	frequency panel indicator	118.00
AD22-22HZW	white	0...99Hz	Ø22 mm	frequency panel indicator	118.00
Combination AC Volt / Ammeter		20...500V / 0...100A (with mini current transformer)			
AD22-22VAMR	red	500V/100A	Ø22 mm	volt/ammeter panel indicator	302.00
AD22-22VAMG	green	500V/100A	Ø22 mm	volt/ammeter panel indicator	302.00
AD22-22VAMY	yellow	500V/100A	Ø22 mm	volt/ammeter panel indicator	302.00
AD22-22VAMB	blue	500V/100A	Ø22 mm	volt/ammeter panel indicator	302.00
AD22-22VAMW	white	500V/100A	Ø22 mm	volt/ammeter panel indicator	302.00

Metal lamp pilot lights

Indicator lights (panel-mounting) IP67

• Super bright LED pilot lights

• Long life ≥ 50.000 hrs

type	lens colour	voltage ± 20%	mounting hole Ø	description	price
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HBD series - Metallic panel-mount LED pilot lights IP67

Ø10 mm mounting hole

solder / push-on

Lens: Ø11.5 x 1.5 mm - Body: L 30 mm

GQ10T-JN/02/R	red	24 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/02/G	green	24 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/02/Y	yellow	24 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/02/B	blue	24 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/02/W	white	24 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/22/R	red	220 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/22/G	green	220 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/22/Y	yellow	220 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/22/B	blue	220 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00
GQ10T-JN/22/W	white	220 VAC/DC	Ø10 mm	panel-mount LED pilot light	117.00

Ø12 mm mounting hole

solder / push-on

Lens: Ø13.5 x 1.5 mm - Body: L 33 mm

GQ12T-JN/02/R	red	24 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/02/G	green	24 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/02/Y	yellow	24 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/02/B	blue	24 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/02/W	white	24 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/22/R	red	220 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/22/G	green	220 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/22/Y	yellow	220 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/22/B	blue	220 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00
GQ12T-JN/22/W	white	220 VAC/DC	Ø12 mm	panel-mount LED pilot light	128.00

Ø16 mm mounting hole

screw terminal

Lens: Ø18 x 2 mm - Body: L 34 mm

GQ16T-LN/02/R	red	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/02/G	green	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/02/Y	yellow	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/02/B	blue	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/02/W	white	24 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/22/R	red	220 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/22/G	green	220 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/22/Y	yellow	220 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/22/B	blue	220 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00
GQ16T-LN/22/W	white	220 VAC/DC	Ø16 mm	panel-mount LED pilot light	148.00

Ø22 mm mounting hole

screw terminal

Lens: Ø25 x 2.5 mm - Body: L 32 mm

GQ22T-LN/02/R	red	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/02/G	green	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/02/Y	yellow	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/02/B	blue	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/02/W	white	24 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/22/R	red	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/22/G	green	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/22/Y	yellow	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/22/B	blue	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00
GQ22T-LN/22/W	white	220 VAC/DC	Ø22 mm	panel-mount LED pilot light	235.00

HBDS1 series - Vandal-proof 304 stainless steel pushbuttons IP67

Vandalproof stainless steel pushbuttons (mount through standard Ø22 mm hole)

• 5A 250 VAC

• Termination: solder/push-on 2.8 x 0.5 mm

AGQ22F-11/JS	silver	momentary	Ø22 mm	1NO + 1NC	pushbutton only	388.00
AGQ22F-11/ZJS	silver	alternate	Ø22 mm	1NO + 1NC	pushbutton only	436.00

Illuminated pushbuttons (ring type LED)

(momentary action)

Illuminated versions feature LED ring-type illumination with clear visibility from a distance.

AGQ22F-11/E/JS/02/R	red	24 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/02/G	green	24 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/02/Y	yellow	24 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/02/B	blue	24 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/02/W	white	24 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/22/R	red	220 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/22/G	green	220 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	484.00
AGQ22F-11/E/JS/22/Y	yellow	220 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/22/B	blue	220 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00
AGQ22F-11/E/JS/22/W	white	220 VAC/DC	Ø22 mm	1NO + 1NC	illuminated p/button	436.00

HBD-T1

connector

with 150 mm wire leads for connecting HBDS1 pushbuttons

74.00



GQ10T-JN/02/R



GQ10T-JN/22/G



GQ12T-JN/02/Y



GQ16T-LN/02/R



GQ22T-LN/02/G



AGQ22F-11/JS



AGQ22F-11/E/JS/22/R

HBD-T1

PV Interface Protection Unit

The PMVF81 is a reliable grid protection device designed to safely disconnect PV systems when they operate in parallel with the electric utility. It monitors voltage and frequency limits and complies with key industry standards. In case of grid issues, the PMVF81 trips the interface switch to isolate the system.



Features & Benefits:

-  Compact design only 4 modules wide
-  Manages both primary and backup interface switches
-  Supports AC and DC power supplies, enhancing versatility
-  Complies with key standards: VDE-AR-N4105
-  Optional expansion modules for USB, RS-232, RS-485, and Ethernet
-  Monitors voltage and frequency with programmable thresholds and delays



Scan the QR
to learn more

Pendant control stations

Mike series - Pendant control stations

Mike pendant stations are designed for heavy-duty applications. Rubber pushbuttons guarantee total protection from dust and liquid penetration. Moulded two-colour button discs offer permanent, clear symbols and text. The ergonomic design, compact dimensions with antislip grooves reduce fatigue, improving ease of use under any working conditions. Wiring is improved by separating the actuators (*mounted on top cover*) from the contact blocks (*fixed to the base*) with the cable inlet.

- Weather-resistant materials with guaranteed protection against penetration of water and dust
- Additional actuator with up to 3 contacts can be mounted to the pendant station (*front or bottom base*)
- Operational ambient temperature limits: -40°C...+80°C
- Protection degree: IP66 / IP67 / IP69K
- Mechanical life: 10 x 10⁶ operations
- Insulation category: Class II
- Conformity to standards: IEC/EN 60204-1, 60947-1, 60947-5-1/5, 60529, EN418, CSA-C22.2 No 14-13, UL 508

type	no. of ways	description	reset/ alarm 2NO	Mushroom E/stop 1NC	1 speed button 1NO	2 speed button 1NO+1NO	price
Mike series single row pendant control station IP66							
F70AY120200-2	4-way	pendant station	1	1	2	—	2 330.00
F70AY120002-2	4-way	pendant station	1	1	—	—	2 720.00
F70AY000400-1	4-way	pendant station	—	—	4	—	2 140.00
F70AY000202-5	4-way	pendant station	—	—	2	2	2 530.00
F70AY000004-1	4-way	pendant station	—	—	—	4	2 890.00
F70EY120400-1	6-way	pendant station	1	1	4	—	2 790.00
F70EY120004-1	6-way	pendant station	1	1	—	4	3 570.00
F70EY120202-2	6-way	pendant station	1	1	2	2	3 180.00
F70BY120600-2	8-way	pendant station	1	1	6	—	3 280.00
F70BY120006-2	8-way	pendant station	1	1	—	6	4 450.00
F70CY121000-2	12-way	pendant station	1	1	10	—	4 570.00
F70DY121200-2	14-way	pendant station	1	1	12	—	5 120.00

Extra charges on request, standard elements can be replaced by others (see below)

1/2 SPD	double depression 2-speed button and contact instead of 1 speed	POR
1/2 MSRM	double depression 2-speed button and contact instead of mushroom + reset	POR
1/1 MSRM	single depression 1-speed button and contact instead of mushroom + reset	POR

Accessories for Mike pendants stations (above) (W) 84.5 x (D) 59.5 x (H) mm

F70AY00-1	4-way	black/yellow	empty pendant housing only	427	979.00
F70EY00-1	6-way	black/yellow	empty pendant housing only	487	1 560.00
F70BY00-1	8-way	black/yellow	empty pendant housing only	547	1 030.00
F70CY00-1	12 way	black/yellow	empty pendant housing only	667	1 600.00
F70DY00-1	14-way	black/yellow	empty pendant housing only	727	1 940.00

Also available in all black colour on request

Victor series - Wall-mounted control stations (empty housings)

Victor has been designed to facilitate wiring and maintenance. Contact blocks are installed in the base together with the cable inlet and are separated from the actuators installed on the cover, reducing time, cost of installation and maintenance down time.

- Protection degree: IP66/IP67/IP69K
- Operational ambient temp: -40°C...+80°C
- Insulation category: Class II
- Cable entry: Cable clamp M20 x 1.5

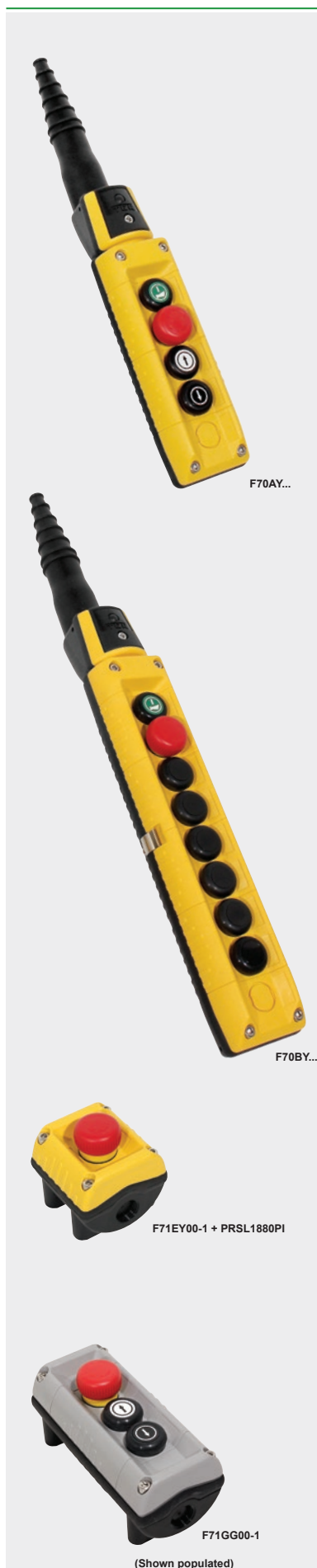
type	holes	colour (top cover)	description (W) 72.7 x (D) 61.9 x (H) mm	price
F71EY00-1	1-hole	yellow	empty surface mnt control station	73 858.00
F71EG00-1	1-hole	grey	empty surface mnt control station	73 464.00
F71FG00-1	2-hole	grey	empty surface mnt control station	122 632.00
F71GG00-1	3-hole	grey	empty surface mnt control station	152 681.00
F71HG00-1	4-hole	grey	empty surface mnt control station	182 666.00
F71IG00-1	6-hole	grey	empty surface mnt control station	242 1 010.00
F71JG00-1	8-hole	grey	empty surface mnt control station	302 1 050.00

Actuators - pushbuttons, selector switches on (page D-20) contact blocks (below)

Contact blocks for pendant and control stations (screw termination)

- Rated operational current 3A (AC15) / voltage 250V
- Thermal current: 10A
- NC contact blocks are of positive operating type

PRSL1800PI	1 NO	contact block	for above control stations	158.00
PRSL1801PI	1 NC	contact block	for above control stations	158.00
PRSL1820PI	LED	24/48 VAC/DC	LED indicating lamp element	1 260.00
PRSL1821PI	LED	110/230 VAC	LED indicating lamp element	1 260.00



Pendant control stations



PRSL1811PI



PRSL1890PI



PRSL1858BIC



PRSL1831PI



PRTA...



PF3903...

type	colour return	positions remove	description	spring return	key remove	price
Actuators for Mike and Victor pendant stations						
PRSL1811PI	black	—	pushbutton actuator (<i>no disc</i>)	1-speed	—	185.00
PRSL1810PI	black	—	pushbutton actuator (<i>no disc</i>)	2-speed	—	237.00
PRSL1880PI	red	—	latch mushroom actuator	twist rel	—	485.00
PRSL1890PI	red	—	latch mushroom actuator	key rel	—	949.00
PRSL1885ROC	red	—	impulse mushroom actuator	—	—	519.00
PRSL1840PI	red	—	pilot light head only	—	—	348.00
PRSL1841PI	green	—	pilot light head only	—	—	348.00
PRSL1842PI	yellow	—	pilot light head only	—	—	348.00
PRSL1846PI	blue	—	pilot light head only	—	—	348.00
PRSL1856BIC	blk/wht	2 (0-1)	selector switch actuator	—	—	764.00
PRSL1862BIC	blk/wht	2 (1-2)	selector switch actuator	—	—	764.00
PRSL1858BIC	blk/wht	3 (1-0-2)	selector switch actuator	—	—	764.00
PRSL1868PI	—	2 (0-1)	key switch actuator	—	0 pos	843.00
PRSL1870PI	—	3 (1-0-2)	key switch actuator	—	0 pos	843.00

Accessories for control stations

PRSL1850PI	interlock	mechanical interlock between two pushbuttons for pendant stations				254.00
PRSL8512PI	spacer	pushbutton to contact block spacer (<i>required for single pushbuttons</i>)				74.00
PRSL8750PI	support	contact block support (3 <i>contacts</i>) for additional pushbutton				196.00
PRSL1830PI	cover	shallow protection cover for bottom mounted actuators				343.00
PRSL1831PI	cover	deep protection cover for bottom mounted actuators				359.00
PRTR1035PE	clip	stainless steel pendant case securing spring clip				224.00
PRSL0145PE	sleeve	spare rubber cable sleeve for Mike pendants Ø14 - 26 mm				386.00
PRGA0012PE	hook	pendant hanging hook (<i>top or bottom mounting</i>)				57.00
PRET0215PE	label	label sheet with selection of pendant symbols				418.00
PRSL1845PI	black	blanking plug (<i>blind pushbutton</i>)				180.00

Colour discs with symbols for control station pushbuttons

type	background colour	symbol	description	price
PRTA001MPI	green	start	symbol disc insert for control stations	79.00
PRTA002MPI	red	stop	symbol disc insert for control stations	79.00
PRTA003MPI	yellow	alarm	symbol disc insert for control stations	79.00
PRTA004MPI	green	start alarm	symbol disc insert for control stations	79.00
PRTA005MPI	white	arrow	symbol disc insert for control stations	79.00
PRTA006MPI	black	arrow	symbol disc insert for control stations	79.00
PRTA007MPI	white	arrow-fast	symbol disc insert for control stations	79.00
PRTA008MPI	black	arrow-fast	symbol disc insert for control stations	79.00
PRTA011MPI	white	arrow-2 spd	symbol disc insert for control stations	79.00
PRTA012MPI	black	arrow-2 spd	symbol disc insert for control stations	79.00
PRTA018MPI	black	spin left	symbol disc insert for control stations	79.00
PRTA019MPI	white	spin right	symbol disc insert for control stations	79.00
PRTA022MPI	black	spin left-fast	symbol disc insert for control stations	79.00
PRTA023MPI	white	spin right-fast	symbol disc insert for control stations	79.00
PRTA026MPI	black	spin left-2 spd	symbol disc insert for control stations	79.00
PRTA027MPI	white	spin right-2 spd	symbol disc insert for control stations	79.00
PRTA095MPI*	red	plain colour	symbol disc insert for control stations	79.00

* Replace the 5 with: 6-green / 7-yellow / 9-black

Charlie pendant control stations double row pistol grip pendant IP65

The Charlie Series introduces a compact-sized pendant station for auxiliary control, boasting a modern, user-friendly design engineered to minimize installation time, costs, and maintenance downtime.

type	description	m/room 1NC	reset/ alarm 2NO	1-speed 1NO+1NO + common	2-speed 1NO+1NO 1NO+com	price
PF39020001	2-way pendant station	—	—	2	—	850.00
PF39020002	2-way pendant station	—	—	—	2	914.00
PF39030001	3-way pendant station	1	—	2	—	944.00
PF39030002	3-way pendant station	1	—	—	2	1 010.00

Spares and accessories for Charlie pendants

PRSL1000PI	contact	1 x NO	1 NO single contact element	232.00
PRSL1001PI	contact	1 x NC	1 NC single contact element	232.00
PRSL1002PI	contact	1-speed	1-speed double interlocked contact element	301.00
PRSL1003PI	contact	2-speed	2-speed double interlocked contact element	523.00
PRSL1009PI	stop		E/stop mushroom (<i>latching - twist release</i>)	661.00

Joystick controllers



F661...



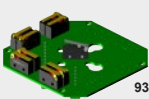
F662AL...



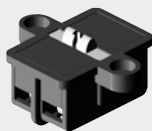
PRVV9035PE



PRTA0152PE



93621



PRSL0191PI

The **Hercules** joystick has a new design for applications in harsh environments. Attention to design, ergonomics, operation accuracy ensure reliability and extended mechanical life. Available with up to 5 speeds in each direction with cross or 360° movement.

- IP protection degree: IP65 (*enclosure dependant*)
- Ambient temperature: Operational -25°C...+70°C
- Mechanical life: 5 x 10⁶ operations
- Connections: Screw type terminals
- Utilisation category: AC 15
- Conformity to standards: IEC/EN 60204-1, 60947-1, 60947-5-1, 61000-6-2/3

type	no. steps		movement			description	price
	↕	↔	360°	cross	mech. interlock		

Hercules - Version with micro switch-board (rated thermal current 8A)

- Standard version with switch board and mounted high-reliability micro switches
- Knob-type lever with **dead man safety** mechanically interlocked and 1CO contact
- Inductive loads: 1A 125 VAC, 0.5A 250 VAC, 1A 30 VDC
- Resistive loads: 3A 125 VAC, 2A 250 VAC, 3A 30 VDC

F661AC0110	1	0		x	x	industrial joystick controller	9 980.00
F661AL0111	1	1	x		x	industrial joystick controller	9 980.00
F661AC0220	2	0		x	x	industrial joystick controller	9 980.00
F661AL0222	2	2	x		x	industrial joystick controller	9 980.00
F661AC0330	3	0		x	x	industrial joystick controller	9 980.00
F661AL0331	3	1	x		x	industrial joystick controller	9 980.00
F661AL0332	3	2	x		x	industrial joystick controller	9 980.00
F661AL0333	3	3	x		x	industrial joystick controller	9 980.00
F661AC0440	4	0		x	x	industrial joystick controller	12 100.00
F661AL0441	4	1	x		x	industrial joystick controller	12 100.00
F661AL0442	4	2	x		x	industrial joystick controller	12 100.00
F661AL0443	4	3	x		x	industrial joystick controller	12 100.00
F661AL0444	4	4	x		x	industrial joystick controller	12 100.00
F661AC0550	5	0		x	x	industrial joystick controller	12 100.00
F661AC0551	5	1	x		x	industrial joystick controller	12 100.00
F661AC0552	5	2	x		x	industrial joystick controller	12 100.00
F661AL0553	5	3	x		x	industrial joystick controller	12 100.00
F661AL0555	5	5	x		x	industrial joystick controller	12 100.00

Hercules-CK - Version with independent switches (rated thermal current 10A)

- Knob-type lever mechanically interlock and 2 x NC contacts
- Rated current: 3A 250 VAC

F662AC0220	2	0		x	x	industrial joystick controller	10 300.00
F662AL0333	3	3	x		x	industrial joystick controller	13 900.00
F662AL0444	4	4	x		x	industrial joystick controller	11 800.00
F662AL0551	5	1		x	x	industrial joystick controller	10 800.00
F662AL0555	5	5	x		x	industrial joystick controller	12 200.00

Accessories for Hercules joysticks (above)

PA66301	mount kit	for 1 potentiometer onto Hercules joystick controller	604.00
PA66302	mount kit	for 2 potentiometer onto Hercules joystick controller	1 050.00
PA66303	mount kit	for 1 potentiometer onto Hercules-CK joystick controller	996.00
PA66304	mount kit	for 2 potentiometer onto Hercules-CK joystick controller	1 810.00
PRVV9035PE	2.2 kΩ	Megatron potentiometer for joystick controller	6 450.00
PRVV9020PE	4.7 kΩ	Megatron potentiometer for joystick controller	6 070.00
PRVV9025PE	10 kΩ	Megatron potentiometer for joystick controller	6 070.00
PRTA0150PE	label	blank label/legend plate for joystick controller	580.00
PRTA0151PE	label	"lifting-traverse" label/legend plate for joystick controller	580.00
PRTA0152PE	label	"trolley-rotation" label/legend plate for joystick controller	580.00

Spares for above Hercules joystick switches

93621	switch board	3-speed (8 switches)	for Hercules joystick controller	5 070.00
93625	switch board	5-speed (12 switches)	for Hercules joystick controller	6 990.00
PRSL4540PI	switch	2 x NC	for Hercules-CK joystick controller	608.00
PRSL4541PI	2 x switches	2 x NC	for Hercules-CK joystick controller	1 210.00
PRSL0191PI	switch	2 x NC	interlock for Hercules-CK joystick controller	265.00
PRGU6050PE	bellows	spare rubber bellows for Hercules joystick controller		1 220.00
PRSL9890PI	half guide	half cross guide for lever of joysticks (2 x required)		99.00

Stepless proportional joystick with built-in analog actuator (resolution: 10 bit)

• Supply voltage:	12 - 48 VAC/DC		
• Proportional outputs:	2 x current 4 - 20mA (or) 2 x voltage 0 - 5 VDC		
• Directional switches:	4 x directional switches		
F661EC25555002	stepless	proportional output joystick controller	23 000.00

Joystick controllers



PF34...



PRSL9873PI



PRTR0160PE



PF21270100



PF2309B002



PF23...

Juliet - Small-sized, compact joystick for control of industrial machinery. Controllers with different configurations are made up by using standard 3 or 5 step 4 direction units with lever guides which define final movement steps. Available with up to 5 speeds in each direction with cross or 360° movement.

- Ambient temperature: Operational -25°C...+70°C
- Mechanical life: 5x 10⁶ operations
- Utilisation category: AC 15
- Rated operational current: 2 A • Thermal current: 8A
- Rated operational voltage: 48 VAC
- Conformity to standards: EN 60204-1, 60947-1, 60947-5-1

type	no. steps		movement			description	price
	↕	↔	360°	cross	lever guide		

Juliet series - Joystick control switches IP65 (enclosure dependant)

PF34021004	1	0		x	9872PI	Juliet joystick controller	3 630.00
PF34021101	1	1	x		9871PI	Juliet joystick controller	3 630.00
PF34022004	2	0		x	9880PI	Juliet joystick controller	4 220.00
PF34022201	2	2	x		9876PI	Juliet joystick controller	4 330.00
PF34023004	3	0		x	9824PI	Juliet joystick controller	3 630.00
PF34023301	3	3	x		9826PI	Juliet joystick controller	5 030.00
PF34024004	4	0		x	9835PI	Juliet joystick controller	5 160.00
PF34023501	3	5	x		9842PI	Juliet joystick controller	6 560.00
PF34025501	5	5	x		9830PI	Juliet joystick controller	7 810.00

Replacement lever guides for other switching configurations

PRSL9873PI	2	1	lever guide	for Juliet joystick controllers	298.00
PRSL9838PI	3	1	lever guide	for Juliet joystick controllers	83.00
PRSL9841PI	3	2	lever guide	for Juliet joystick controllers	83.00
PRSL9844PI	4	1	lever guide	for Juliet joystick controllers	83.00
PRSL9845PI	4	3	lever guide	for Juliet joystick controllers	298.00
PRSL9849PI	4	4	lever guide	for Juliet joystick controllers	298.00
PRSL9839PI	5	1	lever guide	for Juliet joystick controllers	83.00
PRSL9828PI	5	2	lever guide	for Juliet joystick controllers	83.00
PRSL9825PI	5	4	lever guide	for Juliet joystick controllers	83.00
PRTR0160PE	cross		cross lever guide	for Juliet joystick controllers	88.00

Spares for Juliet joystick controllers

93558	switch board	3-speed (8 switches)	for Juliet joystick controller	4 530.00
93547	switch board	5-speed (12 switches)	for Juliet joystick controller	5 910.00
PRSL0173PI	bellows	spare rubber bellows	for Juliet joystick controllers	626.00

Slip ring collectors Suitable for AC currents only

Slip ring collectors are sets of rings coupled with brushes designed to allow current to pass from a fixed to a rotating part. Used to supply crane motors and cable winders.

- Rated operational voltage: 400 V • Insulation voltage: 660 V
- Conformity to standards: EN 60204-1, EN60309-1, EN60529

type	current	No. of rings		description	price
		30A	10A		

10A series - Slip ring collectors

6.6 mm faston connections

PF21270100	10A	—	4	slip ring collector with driving slot	2 250.00
PF21270101	10A	—	4	slip ring collector without driving slot	2 230.00

30A series - Slip ring collectors

(or combined with 10A auxiliary contacts)

The 30A slip ring collectors can be supplied with additional 10A auxiliary rings. Shock-resistant thermoplastic protection preventing accidental contact of live parts.

PF2304B001	30A	4	—	30A line slip ring collector	9 210.00
PF2306B002	30A	6	—	30A line slip ring collector	10 400.00
PF2309B002	30A	9	—	30A line slip ring collector	13 300.00

Combined 30A and 10A auxiliary rings

PF2306B003	30A	4	2	combined 30/10A slip ring collector	9 670.00
PF2308B001	30A	4	4	combined 30/10A slip ring collector	11 100.00
PF2310B001	30A	4	6	combined 30/10A slip ring collector	12 400.00

Additional 30A rings (up to a max. of 20 rings)

price per ring (on request only)

POR

Additional 10A rings (up to a max. of 40 rings)

price per ring (on request only)

POR

Larger sizes 50A - 300A - 500A available on request

Wormgear limit switches

Rotary limit switches are used to control and measure movement of industrial machinery by reading the rotation angle and/or counting the number of revolutions of a shaft. They operate as an auxiliary controller for electric motors through a power interface. The switch shaft can be connected to a motor, after a preset number of revolutions the cams operate a switch.

Each cam can be set with high accuracy due to precision cam adjusting screws.

- Utilisation category: AC 15
- Rated operational voltage: 250 VAC
- Operational temperature: -40°C...+80°C
- Rated current: 3A operational / 10A thermal
- Conformity to standards: EN 60204-1/35, 60947-1/5-1, 60529, CSA-C22.2 No 14-13, UL 508

type	ratio	no. micro's	description	price
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Base series - Wormgear limit switches 1 x CO (H) 84.5 x (W) 70 x (D) 106 mm

- Protection degree: IP42
- Mechanical life: 1 x 10⁶ operations
- Connections: Faston 6.3 mm

PFA9142A0015001	15:1	2	Base miniature wormgear limit switch	1 260.00
PFA9142A0025001	25:1	2	Base miniature wormgear limit switch	1 260.00
PFA9142A0050001	50:1	2	Base miniature wormgear limit switch	1 210.00
PFA9142A0075001	75:1	2	Base miniature wormgear limit switch	1 280.00
PFA9142A0103001	100:1	2	Base miniature wormgear limit switch	1 260.00
PFA9142A0158001	150:1	2	Base miniature wormgear limit switch	1 290.00

Fox / Oscar series - Wormgear limit switches 1NO + 1NC (H) 117 x (W) 75 x (D) 141 mm

- Protection degree: IP66, IP67, IP69K
- Mechanical life: 10 x 10⁶ operations
- Connections: Screw-type terminals with self-raising clamps

Fox series - Wormgear limit switches (H) 117 x (W) 75 x (D) 141 mm				
PFB9067L0016010	15:1	2	Fox industrial wormgear limit switch	2 940.00
PFB9067L0027007	25:1	2	Fox industrial wormgear limit switch	2 770.00
PFB9067L0062033	50:1	2	Fox industrial wormgear limit switch	2 660.00
PFB9067L0103037	100:1	2	Fox industrial wormgear limit switch	2 750.00
PFB9067L0162007	150:1	2	Fox industrial wormgear limit switch	2 750.00
PFB9067L0222011	200:1	2	Fox industrial wormgear limit switch	2 750.00
PFB9067L0254019	250:1	2	Fox industrial wormgear limit switch	3 600.00

Cam set and switches can be replaced with a potentiometer or encoder (below) on Fox switches

Oscar series - Wormgear limit switches (H) 134.5 x (W) 119 x (D) 146.5 mm

Can be equipped with up to two cam sets (up to 10 switches) with potentiometers (alone or on top of cam sets with up to 3 switches) and Yankee absolute encoders (on top of cam sets with up to 4 switches)

PFC9067L0031032	25:1	2	Oscar industrial wormgear limit switch	4 010.00
PFC9067L0062004	50:1	2	Oscar industrial wormgear limit switch	3 940.00
PFC9067L0107014	100:1	2	Oscar industrial wormgear limit switch	4 150.00
PFC9067L0156004	150:1	2	Oscar industrial wormgear limit switch	4 440.00
PFC9067L0214004	200:1	2	Oscar industrial wormgear limit switch	4 360.00
PFC9067L0254004	250:1	2	Oscar industrial wormgear limit switch	4 420.00
PFC9067L0313023	300:1	2	Oscar industrial wormgear limit switch	4 370.00

Accessories for above Fox and Oscar switches

Standard cam set and switches for Fox and Oscar switches				
FCL20001	cam set	2	std. cam set with switches for Fox/Oscar	1 450.00
FCL40003	cam set	4	std. cam set with switches for Fox/Oscar	2 320.00

Potentiometer 10 kΩ - others available on request				
PA020001	10	kΩ	potentiometer with support for Fox/Oscar	7 620.00

Incremental encoders Push - Pull output				
PA030001	36	pulses/rev	4.5 - 30 VDC	encoder with support
PA030002	150	pulses/rev	4.5 - 30 VDC	encoder with support

Yankee absolute encoders 12 bit 4096 points per revolution				
PA01AA01	current	4 - 20mA	12 - 48 VAC/DC	absolute encoder
PA01AB01	voltage	0 - 10V	12 - 48 VAC/DC	absolute encoder
PA01AC01	PWM	0 - 100%	12 - 48 VAC/DC	absolute encoder

Mounting accessories for Base, Fox, Oscar limit switches				
PRSL0356PI	flange	mounting flange + screws and pins for Base/Fox/Oscar		580.00
PRSL0981PI	coupling	coupling with pin for Base/Fox/Oscar		1 160.00
PRSL0920PI	coupling	female coupling with pin for Base/Fox/Oscar		174.00
PRSL0919PI	coupling	male coupling with pin for Base/Fox/Oscar		174.00



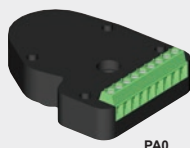
PFA9...



PFB9...



PFC9...



PA0...

Position limit switches



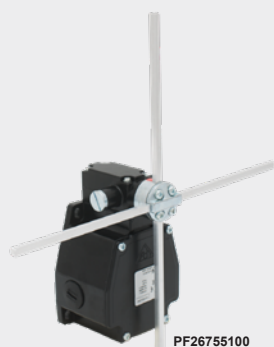
F201120001



F202210001



PF48...



PF26755100

Position limit switches

Cross-position limit switches are designed to control the movement of overhead travelling cranes, hoists and complex machine tools. Choice of materials and technical solutions adopted and heads with different types of rods and movements enable use in harsh operating conditions.

General features:

- Utilisation category: AC 15
- Rated operational voltage: 250 VAC
- Insulation voltage: 500 VAC
- Conformity to standards: EN 60421-1, EN 60947-1, EN60947-5-1, EN60529

type	actuators	positions	micro sw	description	price
Arke series - Position limit switches			IP65, IP66, IP67	Class II	
- Particularly suitable for use in harsh operating conditions with extreme temperature resistance - Cross rods with 4 maintained positions every 90° or single rod with 65° spring return movement - Enclosure and head in thermoplastic material (<i>Nylon reinforced with fibreglass</i>) - Positive opening NC contacts for safety functions					
				• Thermal current: 10A • Rated operational current: 6A • Operating temperature: -40°C...+80°C • Mechanical life: 5 x 10⁶ operations • Cable entry: Bottom or side (L or R) (<i>supplied with M20 cable gland</i>) • Supplied with: 2 x (6 x 8 mm) aluminium rods (200 mm)	
F201110001	X-rod	4 (<i>fixed</i>) 90°	2NC (<i>1 staggered</i>)	stop at 180°	4 400.00
F201120001	X-rod	4 (<i>fixed</i>) 90°	2NC (<i>1 staggered</i>)	free rotation	4 400.00
F201110002	X-rod	3 (<i>fixed</i>) 90°	1NO + 1NC	position limit switch	4 140.00
F202210001	rod-roller	spring ret 65°	1NO + 1NC	position limit switch	4 140.00

Tango series - Position limit switches			IP65	Class II	
Cross-position limit switches are designed to control the movement of overhead travelling cranes, hoists and complex machine tools.					
- 3 rods with maintained positions every 60° - Equipped with 1NC double break slow action switches					
				• Thermal current: 10A • Rated operational current: 3A • Operating temperature: -25°C...+70°C • Mechanical life: 1 x 10⁶ operations • Cable entry: Bottom (<i>supplied with M20 cable gland</i>) • Supplied with: Three 6 x 6 mm aluminium rods (300 mm)	
PF48020001	X-rod	4 (<i>fixed</i>) 60°	2NC	position limit switch	2 120.00
PF48030001	X-rod	4 (<i>fixed</i>) 60°	3NC	position limit switch	2 270.00
PF48040001	X-rod	4 (<i>fixed</i>) 60°	4NC	position limit switch	2 420.00

X-FSC series - Position limit switches			IP65	Class II	
- Features cross rods with 3 or 4 maintained positions - T rods with 3 maintained position every 90° - Equipped with 2 x 1NO + 1NC snap action switches - Enclosure and head in thermoplastic material (<i>Nylon reinforced with fibreglass</i>)					
				• Thermal current: 10A • Rated operational current: 3A • Operating temperature: -25°C...+70°C • Mechanical life: 1 x 10⁶ operations	
PF33710100	T-rod	3 (<i>fixed</i>) 90°	1NO+1NC	position limit switch	2 600.00

7551 series - Position limit switches			IP65	Class I	
Designed for the control of complex operating equipment. The choice of materials, technical solutions and ample dimensions make these switches ideal for use in strongly aggressive environments when exposed to severe operating conditions.					
- Rods with 4 maintained positions every 90° - Die-cast aluminium alloy to guarantee maximum resistance to violent impact, chemical aggression and rust					
				• Thermal current: 10A • Rated operational current: 3A • Operating temperature: -40°C...+70°C • Mechanical life: 1 x 10⁶ operations	
PF26755100	X-rod	4 (<i>fixed</i>) 90°	2 x 1NO+1NC	position limit switch	4 610.00

Surface-mount signalling devices



38603



38654



38792



27762



30107

Multifunctional technology, permitting different selectable signalling levels

Luminous devices engineered for industrial applications on machinery.

type	lens colour	dB @ 1 meter	supply voltage	description	dimensions (mm)		price
MICROLAMP LED - LED signalling beacon - Surface mount					Ø	ext.	
IP54							
• Double insulated • M16 cable gland entry (<i>gland supplied</i>) • Multi-voltage: 12/24 VAC/DC (or) 90 - 240 VAC • 2 light effects: Steady - flashing (selectable via terminals) • LED flash rate: 140fpm ± 10% • Construction: Polycarbonate base and lens • Luminous intensity (<i>Candela</i>): 2 cd max							
38602	amber	—	12 - 24 VAC/DC	surface mnt signalling device	86	90	1 630.00
38603	red	—	12 - 24 VAC/DC	surface mnt signalling device	86	90	1 630.00
38604	green	—	12 - 24 VAC/DC	surface mnt signalling device	86	90	1 630.00
38622	amber	—	90 - 240 VAC	surface mnt signalling device	86	90	1 850.00
38623	red	—	90 - 240 VAC	surface mnt signalling device	86	90	1 850.00
38624	green	—	90 - 240 VAC	surface mnt signalling device	86	90	1 850.00

MICROLAMP LED and ACOUSTIC - signalling beacon**IP30**

- Tone: 2700Hz
- Audible signal option with continuous or intermittent sound.
- 2 alarm levels: Continuous sound with steady light / intermittent sound with flashing light
- Luminous intensity (*Candela*): 2 cd max

38632	amber	72	12 - 24 VAC/DC	surface mnt signalling device	86	111	2 140.00
38633	red	72	12 - 24 VAC/DC	surface mnt signalling device	86	111	2 140.00
38634	green	72	12 - 24 VAC/DC	surface mnt signalling device	86	111	2 140.00
38652	amber	72	90 - 240 VAC	surface mnt signalling device	86	111	2 440.00
38653	red	72	90 - 240 VAC	surface mnt signalling device	86	111	2 440.00
38654	green	72	90 - 240 VAC	surface mnt signalling device	86	111	2 440.00

Other colours available on request

OVOLUX LED - Multifunctional LED signalling beacon**IP66**

- Bright LED with maximised performance
- "R" panel-mount (through 1/2" NPT hole) or "M" surface mounting
- Multi-voltage: 12/24 VAC/DC (or) 90 - 240 VAC
- 4 light effects: Steady - single - double - triple flash - (*selectable via dip-switches*)
- Luminous intensity (*Candela*): 35 cd max

Panel-mount "R" version *mounts through 1/2" NPT (22 mm) hole with (provided) lock ring*

38782	amber	—	12 - 24 VAC/DC	panel-mount signalling device	76	69	2 180.00
38783	red	—	12 - 24 VAC/DC	panel-mount signalling device	76	69	2 180.00
38784	green	—	12 - 24 VAC/DC	panel-mount signalling device	76	69	2 180.00
38792	amber	—	90 - 240 VAC	panel-mount signalling device	76	69	2 540.00
38793	red	—	90 - 240 VAC	panel-mount signalling device	76	69	2 540.00
38794	green	—	90 - 240 VAC	panel-mount signalling device	76	69	2 540.00

Surface mount "M" version *M16 cable gland entry (IP65)*

38802	amber	—	12 - 24 VAC/DC	surface mount signalling device	114	115	2 450.00
38803	red	—	12 - 24 VAC/DC	surface mount signalling device	114	115	2 450.00
38812	amber	—	90 - 240 VAC	surface mount signalling device	114	115	2 810.00
38813	red	—	90 - 240 VAC	surface mount signalling device	114	115	2 810.00

Other colours available on request

OVOLUX RGB - multicolour steady light - LED beacon

- Multi-coloured: White, amber, red, yellow, green, magenta, blue (7 colours in one beacon)
- Luminous intensity (*Candela*): 10 cd max

30107	multi	—	12 - 24 VAC/DC	panel-mount signalling device	76	69	2 960.00
30108	multi	—	90 - 240 VAC	panel-mount signalling device	76	69	3 330.00

Mounting accessories (for above panel-mount beacons)

27697	adaptor	for mounting Ovolux beacons onto a foot or wall mount base					173.00
27762	wall	wall mounting bracket for Ovolux (<i>requires 27697 adaptor</i>)					346.00
27764	base	surface mount base with extended foot (100 mm) (<i>requires 27697 adaptor</i>)					433.00

Surface-mount signalling devices



66502



66513



66554



90063

Multifunctional technology permitting different selectable signalling levels

type	lens colour	supply voltage	description	dimensions (mm)		price
				Ø	ext.	

MINIFLASH LED medium size multifunctional beacons

IP54

Medium-size multifunctional LED beacon, developed with a multichannel technology. MINIFLASH LED is available in **MINIFLASH FLR** (*steady, flashing, rotating light*) or in **MINIFLASH SLR** (*flashing, strobe, random light*) version.

- Surface mounting with M16 cable gland entry (*cable gland supplied*)
- Dome-shaped Fresnel lens intensifies the luminous beam of these devices
- 3 x lighting effects controllable via independent electric contacts

MINIFLASH LED FLR

- LEDs allows a rotating effect perfectly simulating traditional rotating beacon without moving parts
- 32x bright LEDs
- Luminous intensity (*Candela*): 50 cd max
- Three luminous effects:
 - Steady light
 - Flashing light
 - Rotating light

66502	amber	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66503	red	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66504	green	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66512	amber	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00
66513	red	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00
66514	green	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00

MINIFLASH LED SLR

- SuperBright LEDs unique uneven flashing pattern designed for attracting attention
- Luminous intensity (*Candela*): 230 cd max
- Three luminous effects:
 - Flashing light 1F
 - Strobe effect 5F
 - Random lighting effect

66542	amber	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66543	red	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66544	green	12 - 24 VAC/DC	multifunctional LED beacon	99	146	7 240.00
66552	amber	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00
66553	red	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00
66554	green	90 - 240 VAC	multifunctional LED beacon	99	146	7 240.00

Other colours available on request

Mounting accessories

72692	grey	wall mounting bracket for above MINIFLASH beacons				1 320.00
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ROTALLARM S LED multifunctional beacon

IP65

ROTALLARM S LED features a powerful multivoltage/multifunction SMD LED electronic circuit offering outstanding performances together with the highest life expectancy in todays market. The structure guarantees high impact and vibration resistance.

- PC/ABS base with M20 cable gland, self-extinguishing polycarbonate dome
- Polyurethane gasket on base
- 32 x 5050 bright LEDs for improved visibility
- Luminous intensity (*Candela*): 40 cd max
- Lighting effect:
 - Steady
 - Rotating
 - Flashing

ROTALLARM S LED rotating beacons

(H) 212 x Ø 142 mm

90061	blue	12 - 24 VAC/DC	multifunctional LED beacon	142	212	6 270.00
90062	amber	12 - 24 VAC/DC	multifunctional LED beacon	142	212	6 270.00
90063	red	12 - 24 VAC/DC	multifunctional LED beacon	142	212	6 270.00
90064	green	12 - 24 VAC/DC	multifunctional LED beacon	142	212	6 270.00
90081	blue	90 - 240 VAC	multifunctional LED beacon	142	212	8 620.00
90082	amber	90 - 240 VAC	multifunctional LED beacon	142	212	8 620.00
90083	red	90 - 240 VAC	multifunctional LED beacon	142	212	8 620.00
90084	green	90 - 240 VAC	multifunctional LED beacon	142	212	8 620.00

Other colours available on request

Mounting accessories

72692	grey	wall mounting bracket for above ROTALLARM beacons				1 320.00
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91363



91364



91430



91153



91132



91177



91183

P50 series - Panel-mount LED signalling devices Ø50 mm

Multifunctional technology permits different selectable alarm levels via independent electric contacts. Illuminated dome (Ø50 mm) provides easy-to-see operator guidance and indication.

- Mounts through Ø22 mm pushbutton hole

type	lens colour	dB @ 1 meter	supply voltage	description	dimensions (mm)		price
					Ø	ext.	

P50 series - Panel-mount LED signalling devices Ø50 mm**IP66**

- Mounts through Ø22 mm standard pushbutton hole secured with (provided) locking ring
- Polycarbonate dome with 360° light-diffusion design - 6 bright LEDs
- M12 4 PIN electrical connector (plug and cable supplied separately)

P50 S - Multifunctional LED signalling panel beacon**IP66**

- 7 different light effects - (steady, slow / fast flashing, double / triple flash, strobe, random flash)
- Luminous intensity (Candela): 10 cd max

91362	amber	—	12 - 24 VAC/DC	panel-mount signalling device	50	26.5	3 210.00
91363	red	—	12 - 24 VAC/DC	panel-mount signalling device	50	26.5	3 210.00
91364	green	—	12 - 24 VAC/DC	panel-mount signalling device	50	26.5	3 210.00

P50 RGB - Multicolour LED panel beacon**IP66**

- Steady light with 7 different selectable colours - (white, amber, red, yellow, green, magenta, blue)
- Luminous intensity (Candela): 10 cd max

91430	multi	—	24 VDC	multicoloured LED beacon	50	26.5	2 860.00
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P50 A - Panel-mount piezoelectric acoustic sounder**IP65**

- Seven different types of audible alarms (controllable via independent electric contacts) (continuous, intermittent, double intermittent, triple intermittent, telegraph, random)

91367	grey	88/92	12 - 24 VAC/DC	panel-mount audible sounder	50	27.5	3 080.00
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P50 A LED - Combination sounder and signal beacon**IP65**

- Allows 7 different types of sound/light effects - (controllable via independent electric contacts) (Steady light, Continuous sound, Steady light + Continuous sound, 2/3 Flashes - sync sound/light, Intermittent - sync sound/light, Random)
- Luminous intensity (Candela): 10 cd max

91382	amber	88/92	12 - 24 VAC/DC	panel-mount sounder/beacon	50	27.5	3 690.00
91383	red	88/92	12 - 24 VAC/DC	panel-mount sounder/beacon	50	27.5	3 690.00

Other colours available on request

P40 S - Multifunctional LED signalling panel beacon Ø41 mm**IP65**

- Mounts through Ø30 mm hole - (internal depth max. 37 mm)
- Light-diffusion through a light-concentrating lens for maximize frontal performance
- Screw terminal connection
- Ø41 mm domed lens 360°

type	lens colour	dB @ 1 meter	supply voltage	description	dimensions (mm)		price
					Ø	ext.	

3 alarm levels: steady - flashing - strobe (selectable via electrical contacts)

- Luminous intensity (Candela): 20 cd max

91132	amber	—	12 - 24 VAC/DC	panel-mount signalling device	41	46	2 400.00
91133	red	—	12 - 24 VAC/DC	panel-mount signalling device	41	46	2 400.00
91134	green	—	12 - 24 VAC/DC	panel-mount signalling device	41	46	2 400.00
91152	amber	—	48 - 240 VAC	panel-mount signalling device	41	46	2 400.00
91153	red	—	48 - 240 VAC	panel-mount signalling device	41	46	2 400.00
91154	green	—	48 - 240 VAC	panel-mount signalling device	41	46	2 400.00

P40 A - Piezoelectric acoustic sounder - selectable continuous - intermittent sound

91177	grey	85dB	12 - 24 VAC/DC	panel-mount audible sounder	41	34	1 440.00
91179	grey	85dB	48 - 240 VAC	panel-mount audible sounder	41	34	1 900.00

P40 A LED - Combination sounder and signal beacon**IP65****3 alarm levels:** flashing only / flashing + intermittent sound / steady light + continuous sound

- Luminous intensity (Candela): 20 cd max

91182	amber	85dB	12 - 24 VAC/DC	panel-mount sounder/beacon	41	34	1 700.00
91183	red	85dB	12 - 24 VAC/DC	panel-mount sounder/beacon	41	34	1 700.00
91202	amber	85dB	48 - 240 VAC	panel-mount sounder/beacon	41	34	2 170.00
91203	red	85dB	48 - 240 VAC	panel-mount sounder/beacon	41	34	2 170.00

Other colours available on request

LED signalling devices



28241



28242



28246



36901



36900

E-LITE - Economic LED beacons IP66

LED signalling device available in 5 colours with steady light. Other luminous effects via PLC are possible. E-LITE offers virtually zero maintenance thanks to the built-in LED technology that guarantees up to 100.000 hours of product life.

Clear lens with coloured LED light source (14 LEDs). The vertically lined refractor allows a perfect light distribution over 360° (*steady light*). Other luminous effects via PLC.

- Suitable for indoor or outdoor use
- Opaline (*no colour dome*) illuminated in the colour of internal LEDs
- Self-extinguishing PC body with high impact resistance IK06
- M12 - 4pin plug connection (*cable and plug supplied separately*)
- Integrated mounting base (3 mounting holes 120°)

type	lens colour	dB @ 1 meter	supply voltage	description	dimensions (mm)		price
					Ø	ext.	

E-LITE series - Econo steady light LED beacon Ø70 mm IP66

- Available in 5 different steady light colours (*other luminous effects via a PLC are possible*)
- Luminous intensity (*Candela*): 15 cd max

28241	blue	24 VDC	econo LED steady signal light	70	56	1 120.00
28242	amber	24 VDC	econo LED steady signal light	70	56	1 120.00
28243	red	24 VDC	econo LED steady signal light	70	56	1 120.00
28244	green	24 VDC	econo LED steady signal light	70	56	1 120.00
28246	clear	24 VDC	econo LED steady signal light	70	56	1 120.00

E-LITE RGB - Multicolour LED panel beacon

- 7 different selectable colours - (*white, amber, red, yellow, green, magenta, blue*) on one unit
- Available in steady light or with flashing (*single flash*) versions
- Luminous intensity (*Candela*): 2-11 cd (*colour dependant*)

28323	multi	steady	24 VDC	multi coloured steady signal light	70	56	2 340.00
28325	multi	flashing	24 VDC	multi coloured flashing signal light	70	56	2 340.00

Accessories - for above E-LITE and P50 signalling devices

type	gender	pin	term.	plug angle	description	price
120104-02-022	female	4	screw	straight	M12 connector	188.00
120104-02-024	female	4	screw	90°	M12 connector	188.00
120104-06-053	female	4	cable	straight	2 meter cable + M12 connector	220.00
120104-06-061	female	4	cable	straight	5 meter cable + M12 connector	443.00
120104-06-017	female	4	cable	90°	2 meter cable + M12 connector	220.00
120104-06-010	female	4	cable	90°	5 meter cable + M12 connector	400.00

For more connectors with cable see page K-23-24

EOS WM series - LED stacklights Ø70 mm IP66, IP69K

Modular pre-assembled LED stacklight in versions with 2 or 3 steady light modules. Offers virtually zero maintenance thanks to built-in LED technology guaranteeing up to 100.000 hours life.

- Integrated LED steady light modules (*other luminous effects via PLC*)
- Opaline clear lens with coloured light source permits perfect light distribution over 360°
- Versions with piezoelectric sounder (75dB 1m)
- Smooth design that aides in dirt build-up on the surface
- Ideal for environments with high-brightness
- Clear distinction between ON and OFF state
- Luminous intensity (*Candela*): 4 cd max

Two module stacklight (green / red)

36901	green / red	12 - 24 VAC/DC	econo LED steady light stacklight	70	208	3 360.00
36903	green / red	12 - 24 VAC/DC	econo LED stacklight with sounder	70	248	4 310.00

Three module stacklight (green / amber / red)

36900	green/amber/red	12 - 24 VAC/DC	econo LED steady light stacklight	70	248	4 230.00
36904	green/amber/red	12 - 24 VAC/DC	econo LED stacklight with sounder	70	288	5 130.00

Multi-coloured (single) stacklight with incorporated sounder

36909	multi-coloured	12 - 24 VAC/DC	econo LED stacklight with sounder	70	208	4 100.00
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Mounting accessories for above EOS stacklights

36911	light grey	wall mounting base for lateral mounting	61	97	457.00
27760	light grey	flat base for surface mounting	67.5	34	260.00
27761	light grey	extension for above flat base	(100 mm)		247.00

LED signalling devices



90823 + 90367



90504 + 90367



90351 + 90368



90363 + 90343



90362 + 90368

MLINE - Multivoltage - Multifunction - Modular - Multichannel (NPN version)

MLINE is a unique, flexible, modular concept permitting different audio and signalling devices to be combined with facilities to mount them in the most practical way.

Different **DOMES** (*audio, visual or both*) can be mounted on any of six different **BASES** which determines the supply voltage of the unit - **12 - 24 VAC/DC** or **120 - 240 VAC**

- LED technology - zero maintenance built-in LED guaranteeing up to 100.000 hours of productive life

DOMES - beacons/sounders or combinations of both - require **BASES** (*see overleaf*) to complete device



Scan to watch video

type	lens colour	dB @ 1meter	description	dimensions Ø	H	price
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XLF S - Low profile beacon **multifunctional LED signalling** **IP66**

- Selectable light effects:**
- Steady light
 - Flashing (*single-flash 1F*)
 - Strobe effect (*5x flash*)
 - Random light effect

Adjustable brightness (*3 levels*)

Directional - Fresnel lens - (*for long distance signalisation*)

- Luminous intensity (*Candela*): 4200 cd max

90821	blue	—	multifunctional low-profile LED beacon	92	42.5	2 810.00
90822	amber	—	multifunctional low-profile LED beacon	92	42.5	2 810.00
90823	red	—	multifunctional low-profile LED beacon	92	42.5	2 810.00
90824	green	—	multifunctional low-profile LED beacon	92	42.5	2 810.00
90826	clear	—	multifunctional low-profile LED beacon	92	42.5	3 150.00

Multi-coloured *red, green, blue, amber, yellow, cyan, violet, white selectable on one unit*

90156	multi	(85 cd)	multifunction/colour low profile beacon	92	42.5	3 700.00
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Proximity - Opaline lens - (*for close proximity signalisation*)

- Luminous intensity (*Candela*): 25 cd max

90502	amber	—	multifunctional low profile LED beacon	92	42.5	2 810.00
90503	red	—	multifunctional low profile LED beacon	92	42.5	2 810.00
90504	green	—	multifunctional low profile LED beacon	92	42.5	2 810.00

FLR S - Tall beacon **high optical performance LED signalling** **IP66**

- 24 bright LEDs permit 3 selectable luminous effects

- Luminous intensity (*Candela*): 455 cd max

- Selectable light effects:**
- Steady light
 - Flashing (*triple flash strobe effect*)
 - Rotating light (*simulates traditional rotating beacon*)

90351	blue	—	multifunctional tall LED beacon	92	108	4 340.00
90352	amber	—	multifunctional tall LED beacon	92	108	4 340.00
90353	red	—	multifunctional tall LED beacon	92	108	4 340.00
90354	green	—	multifunctional tall LED beacon	92	108	4 340.00

SIR-E S - Multi-functional electronic sounder **IP65**

- High acoustic performance - adjustable volume
- Multi-tone 64 different sounds available (*selectable via internal dip switches*)
- Two separate functions: pre-alarm - alarm (*controllable via separate electric contacts*)

90360	grey	105 dB	multifunction sounder (64 sounds)	92	62	2 590.00
90358	red	105 dB	multifunction sounder (64 sounds)	92	62	2 590.00

SIR-E LED S - Combination beacon and sounder

- Selectable light effects - steady or strobe light effect
- Multi-tone 64 different sounds available (*selectable via internal dip switches*)

90362	amber	105 dB	beacon and sounder (64 sounds)	92	62	3 260.00
90363	red	105 dB	beacon and sounder (64 sounds)	92	62	3 160.00
90361	blue	105 dB	beacon and sounder (64 sounds)	92	62	3 260.00

SIR-E LED MAX - Combination beacon and high output sounder

90563	red	115 dB	beacon and sounder (64 sounds)	92	88	6 850.00
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SIR-E LED JUNIOR - Econo combination beacon/sounder

- Two lighting effects: steady - flashing

90402	amber	100 dB	beacon and sounder (16 sounds)	92	62	2 300.00
90403	red	100 dB	beacon and sounder (16 sounds)	92	62	2 300.00
90404	green	100 dB	beacon and sounder (16 sounds)	92	62	2 300.00

LED signalling devices



BASES - for MLINE beacons or sounders or combinations of both, provide a number of mounting options. On any of six different **BASES** which determine the supply voltage of the unit 12 - 24 VAC/DC or 120 - 240 VAC

type	lens colour	supply voltage	description		dimensions (mm)		price
					Ø	height	
SHALLOW compact low profile surface mount bottom cable entry							
90367	grey	LT	12-24 VAC/DC	shallow base for MLine domes	92	21	340.00
90343	red	LT	12-24 VAC/DC	shallow base for MLine domes	92	21	340.00
DEEP surface mount base with 2 x M20 side knockouts and compression glands							
90368	grey	LT	12 - 24 VAC/DC	deep base for MLine domes	92	46	377.00
90345	red	LT	12 - 24 VAC/DC	deep base for MLine domes	92	46	377.00
90369	grey	HT	120 - 240 VAC	deep base for MLine domes	92	46	1 760.00
90827*	grey	HT	120 - 240 VAC	deep base for MLine domes	92	46	1 320.00
WALL lateral wall mount base with 2 x M20 knockouts							
90370	grey	LT	12 - 24 VAC/DC	wall base for MLine domes	115	61	450.00
90347	red	LT	12 - 24 VAC/DC	wall base for MLine domes	115	61	450.00
90371	grey	HT	120 - 240 VAC	wall base for MLine domes	115	61	2 020.00
90828*	grey	HT	120 - 240 VAC	wall base for MLine domes	115	61	1 460.00
POLE pole mount base for 1.5" NPT threaded pole							
90610	grey	LT	12 - 24 VAC/DC	pole mnt base for MLine domes	92	66	504.00
90612	grey	HT	120 - 240 VAC	pole mnt base for MLine domes	92	66	2 270.00
FLUSH flush mount base for applications requiring low visual, discrete aesthetics							
90375	white	LT	12 - 24 VAC/DC	flush base for MLine domes	146	71	599.00
90376	white	HT	120- 240 VAC	flush base for MLine domes	146	71	2 430.00
DOUBLE wall mount base accomodates 2 x warning and/or signalling devices							
90372	grey	LT	12 - 24 VAC/DC	double base for MLine domes	120	97	673.00
90373	red	LT	12 - 24 VAC/DC	double base for MLine domes	120	97	673.00
90512	grey	HT	120 - 240 VAC	double base for MLine domes	120	97	2 550.00

* Junior economical base only permits one function to be selected

Stainless steel protection grids (heavy duty) for MLINE beacons and sounders

type	size		SHALLOW Base	DEEP Base	price
			12 - 24 VAC/DC	12 - 24 VAC/DC - 120 - 240 VAC	
90557	size 0	for	XLF S/RGA	—	1 900.00
90551	size 1	for	SIR-E / SIR-E LED	XLF S/RGA	1 740.00
90552	size 2	for	SIR-E MAX/ SIR-E LED MAX	SIR-E / SIR-E LED	1 810.00
90553	size 3	for	FLR / SLR	SIR-E MAX/ SIR-E LED MAX	2 090.00
90554	size 4	for	—	FLR S / SLR S	2 160.00

TLINE series - LED industrial traffic lights IP66

TLINE traffic lights (based on **MLINE** philosophy), providing reliable signalling and versatile solutions, that are engineered for parking and access points.

The LED technology allows for better resistance to vibrations, longer life product, drastically reducing operating and maintenance costs. The self-extinguishing polycarbonate body guarantees high impact resistance.

These industrial traffic lights offer high visibility thanks to their dome, engineered to intensify the light beam, and to the visors supplied with the product.

Easy installation (*two cable entries*), a swivel fixing bracket or a pole mounting adapter are available as accessories.

- 3 luminous effects: steady light, flashing light, strobe effect (*controllable via separate contacts*)
- Luminous intensity (*Candela*): 4200 cd max

type	colours	supply	lens	description		price
TLINE 2 XLF		2 light - green/red		(H) 231 x (W) 120 x (D) 133 mm		
69786	red/green	12 - 24 VAC/DC	Fresnel	2-way industrial LED traffic light		9 780.00
69787	red/green	120 - 240 VAC	Fresnel	2-way industrial LED traffic light		11 400.00
TLINE 3 XLF		3 light - green/amber/red		(H) 342 x (W) 120 x (D) 133 mm		
69788	red/amber/green	12 - 24 VAC/DC	Fresnel	3-way industrial LED traffic light		13 800.00
69789	red/amber/green	120 - 240 VAC	Fresnel	3-way industrial LED traffic light		16 100.00
Accessories for traffic lights <i>(above)</i>						
69784	wall bracket	swivel type	wall mount bracket for TLINE traffic lights			600.00
69785	NPT adaptor	adaptor	<i>(required for pole mounting of traffic light)</i>			576.00
27765	pole mount	base	with stainless steel pole (L) 424 mm		1 040.00	
27766	pole mount	base	with stainless steel pole (L) 1240 mm		1 240.00	

Signalling tower devices

Up to 5 light modules or 4 light modules plus 1 x acoustic module can be combined with various colours permitting a number of signalling functions with multiple installation mounting options.

type	colour	dB @ 1m max	supply voltage	description	price	
TWS SMD series - LED signal towers Ø70 mm IP66						
• Low power consumption, high vibration resistance, 100.000 hour lifetime						
• Multi-functionality, excellent optical definition, improved light output (12 LEDs)						
TWS BASE - Wiring base + top cover for TWS towers				(H) 48 mm	735.00	
27700*	grey	—	wiring base + top cover for above TWS towers			
* Essential for assembly of TWS tower						
TWS LED MULTI - integrated LED light module				(H) 59 mm	1 530.00 1 530.00 1 530.00 1 530.00 1 530.00 1 530.00 1 700.00 1 700.00 1 700.00 1 700.00 1 700.00 1 700.00 1 700.00 1 700.00	
- 4 light functions (selectable by dip switch on each module) steady - single flash - double flash - triple flash						
36501	blue	—	24 VAC/DC	multi-functional LED light module		
36502	amber	—	24 VAC/DC	multi-functional LED light module		
36503	red	—	24 VAC/DC	multi-functional LED light module		
36504	green	—	24 VAC/DC	multi-functional LED light module		
36505	yellow	—	24 VAC/DC	multi-functional LED light module		
36506	white	—	24 VAC/DC	multi-functional LED light module		
36521	blue	—	240 VAC	multi-functional LED light module		
36522	amber	—	240 VAC	multi-functional LED light module		
36523	red	—	240 VAC	multi-functional LED light module		
36524	green	—	240 VAC	multi-functional LED light module		
36525	yellow	—	240 VAC	multi-functional LED light module		
36526	white	—	240 VAC	multi-functional LED light module		
Acoustic module for above TWS towers				IP54 (H) 104 mm	1 390.00 1 600.00	
TWS PZO - Piezoelectric sounder (6 tones selectable via internal dip-switch)						
27718	grey	85 dB	12 - 48 VAC/DC	acoustic module (6 sounds)		
27719	grey	85 dB	110 - 240 VAC	acoustic module (6 sounds)		
TWS MDA - magneto-dynamic sounder (32 tones selectable via internal dip-switch)						2 510.00 3 590.00
27790	grey	105 dB	12 - 24 VAC/DC	acoustic module (32 sounds)		
27793	grey	105 dB	240 VAC	acoustic module (32 sounds)		
miniTWS series - LED signal towers Ø50 mm IP66 (IP54 with sounder)						
• Pre-assembled ready to install stack lights in 2 or 3 modules						
• Low power consumption, high vibration resistance, 100,000 hour lifetime						
• Multi-functionality two light effects: steady, flashing						
Two light stack light - (green / red)						3 390.00 4 480.00
31594	grn/red	—	24 VAC/DC	LED signal tower complete		
31596	grn/red	77 dB	24 VAC/DC	LED signal tower + acoustic sounder		
Three light stack light - (green / amber / red)						4 390.00 5 710.00
31595	grn/amb/red	—	24 VAC/DC	LED signal tower complete		
31597	grn/amb/red	77 dB	24 VAC/DC	LED signal tower + acoustic sounder		
babyTWS series- LED signal towers Ø36 mm IP65 (IP54 with sounder)						
• Pre-assembled ready-to-install stack lights in 2 or 3 modules						
• Low power consumption, high vibration resistance, 100.000 hour lifetime						
• Integrated steady light modules, excellent optical definition						
Two light stacklight - (green / red)						3 060.00 3 840.00
36566	grn/red	—	24 VAC/DC	LED signal tower complete		
36568	grn/red	72 dB	24 VAC/DC	LED signal tower + acoustic sounder		
Three light stacklight - (green / amber / red)						4 300.00 5 080.00
36567	grn/amb/red	—	24 VAC/DC	LED signal tower complete		
36569	grn/amb/red	72 dB	24 VAC/DC	LED signal tower + acoustic sounder		
Accessories for TWS, miniTWS and babyTWS towers						
27760	BS	mount	mounting foot for TWS (Ø 88 mm)		260.00	
27761	PR	ext.	100 mm extension stem for TWS towers		247.00	
27762	BP1	bracket	wall mounting bracket for TWS towers		346.00	
27763	BP2	double	wall mount bracket (double entry) for TWS towers		390.00	
27777	M16	—	mounting foot with junction box for TWS towers		820.00	

Signalling tower devices



ELYPs signal tower/stack light system features modules which plug-in to each other to form specific functions. Unique oval shape (50 - 70 mm) diameter variance depending on the viewing angle. Latest generation LED technology for highly effective indication with exceptional life (+100.000 hours)

- Supply voltage 12/24 VDC or 120 - 240 VAC/DC (*determined by the wiring module*)
- IP65 protection (*suitable for indoor or outdoor use*)
- Light modules configurable for "steady" or various modes of "flashing"

Modular stack lights - made up of four groups of modules

- Mounting base - Wiring module - Light modules - Acoustic modules

type	colour	supply voltage	mode	description	price
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ELYPs WM Wiring modules *for all common wiring (determines supply voltage)*

- Permits connection of up to 7 modules - steady, flashing or sound
- Supply voltage of the system is determined by the wiring module

LT	12 - 24 VDC	modules (<i>direct connected</i>)
HT	120 - 240 VAC/DC	modules (<i>with built-in 12/24V transformer</i>)

WM - wiring module - basic type without built-in flashing facility

32457	grey	LT	12 - 24 VAC/DC	steady	standard wiring module/base	594.00
32320	grey	HT	120 - 240 VAC	steady	standard wiring module/base	2 040.00

WM - MULTI wiring module - with built-in flashing facility

- Multi-functional flashing facility of each connected independent light module
- Configurable for "steady" or Single flash - Double flash - Triple flash - Strobe mode

32467	grey	LT	12 - 24 VAC/DC	flashing	multi LT wiring module/base	2 570.00
32326	grey	HT	120 - 240 VAC	flashing	multi LT wiring module/base	2 700.00

ELYPs Light modules *steady light or individual selectable flashing*

LM light module - economic, entry-level LED light module with steady light

32331	blue	WM LT wiring module (24 VAC/DC only)	steady	plug-in steady light module	701.00
32332	amber		steady	plug-in steady light module	701.00
32333	red		steady	plug-in steady light module	701.00
32334	green		steady	plug-in steady light module	701.00
32335	yellow		steady	plug-in steady light module	701.00
32336	white		steady	plug-in steady light module	701.00

LM S - MULTI light modules - multifunctional 4 selectable light effects (*via dip-switches*)

- 2x FLASH - 3x FLASH - 5x FLASH - RANDOM (*uneven flashing pattern*)

32391	blue	according to selected wiring module	flashing	plug-in multi-light module	1 790.00
32392	amber		flashing	plug-in multi-light module	1 790.00
32393	red		flashing	plug-in multi-light module	1 790.00
32394	green		flashing	plug-in multi-light module	1 790.00
32395	yellow		flashing	plug-in multi-light module	1 790.00
32396	white		flashing	plug-in multi-light module	1 790.00

LM X - MULTI light modules - superbright multi-functional LED light module

- With superbright LED simulating traditional Xenon discharge lamps

32351	blue	according to selected wiring module	flashing	plug-in super brite light module	1 620.00
32352	amber		flashing	plug-in super brite light module	1 620.00
32353	red		flashing	plug-in super brite light module	1 620.00
32354	green		flashing	plug-in super brite light module	1 620.00
32355	yellow		flashing	plug-in super brite light module	1 620.00
32356	white		flashing	plug-in super brite light module	1 620.00

ELYPs Acoustic modules *to add acoustic signalisation to luminous sectors*

AM series Piezoelectric - 2 sound modes (*intermittent or continuous*)

32337	grey	acc. to wiring module	87 dB	plug-in acoustic module	2 030.00
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AM S series Magneto-dynamic - 16 different sound modes - *adjustable volume 60 - 90 dB*

32347	grey	acc. to wiring module	90 dB	plug-in acoustic module	2 700.00
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Mounting bases for signal towers

32357	grey	foot mounting base	for ELYPS signal towers	342.00
32377	grey	foot mount base with 10 cm ext.	for ELYPS signal towers	714.00
32367	grey	wall mounting base	for ELYPS signal towers	760.00
32387	grey	pole mounting base	for ELYPS signal towers	690.00

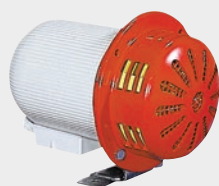
Industrial sirens



42200



42212



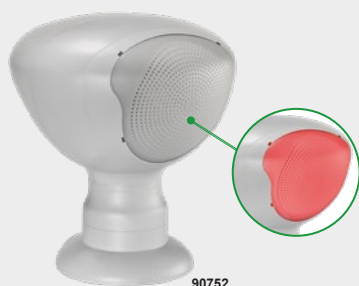
42021



50415



50424



90752



22700

New



Industrial motor-driven sirens

type	supply voltage	dB @ 1m	description	IP	run duration on off	dimensions (Ø) (H)	price
MICRO W10 series motor-driven sirens							
Ideal choice for industrial applications, from general-purpose signalization to warning							
• Can be installed vertically or horizontally							
42200	12 VDC	93	motor-driven siren	IP42	(continuous)	84 80	1 090.00
42202	24 VDC	93	motor-driven siren	IP42	(continuous)	84 80	1 090.00
42212	240VAC	93	motor-driven siren	IP42	(continuous)	90 129	2 100.00

CELERE series motor-driven sirens

- Self-extinguishing PC body with high-impact resistance
- Motor protection thermal circuit breaker installed on **CELERE** and **super-CELERE** versions
- Easy installation by means of the integrated fixing bracket - **M12** cable gland

mini-CELERE		miniature electro-mechanical siren					
42006	12 VDC	101	motor-driven siren	IP43	(continuous)	91 115	2 430.00
42001	24 VAC/DC	101	motor-driven siren	IP43	1 min. 10 min.	91 115	2 430.00
42005	240 VAC/DC	101	motor-driven siren	IP43	1 min. 10 min.	91 115	2 430.00

CELERE		mid-sized electro-mechanical siren					
42026	12 VDC	110	motor-driven siren	IP43	(continuous)	118 167	4 400.00
42021	24 VAC/DC	110	motor-driven siren	IP43	1 min. 10 min.	118 167	4 400.00
42025	240 VAC/DC	110	motor-driven siren	IP43	1 min. 10 min.	118 167	4 400.00

super-CELERE		large-size electro-mechanical siren					
42046	12 VDC	114	motor-driven siren	IP43	(continuous)	140 186	6 390.00
42047	24 VAC/DC	114	motor-driven siren	IP43	(continuous)	140 186	6 390.00
42045	240 VAC/DC	114	motor-driven siren	IP43	1 min. 10 min.	140 186	5 900.00

Electronic sirens

- Adjustable volume regulation and sound progression regulation

SE4/29 series - (modular base mount)		5 selectable sound tones					
50415	12-24 VAC/DC	97	electronic siren	IP30	(selectable)	100 90	3 750.00
50418	240 VAC	97	electronic siren	IP30	(selectable)	100 90	5 460.00

SE12 series - (hinged mounting bracket)		32 different tones (selectable via dip-switches)					
50424	12-24 VAC/DC	114	electronic siren	IP43	(selectable)	102 108	4 970.00
50427	240 VAC	113	electronic siren	IP43	(selectable)	130 108	5 790.00

Super loud electronic sirens 120dB IP68, IP69K

- 64 different (programmable) sounds
- 120 dB - super loud - siren (6 programmable volume levels)

SIR-TOUCH - Siren only		Unique touch programming connection via M12 4PIN connector					
90750	24 VDC	120	electronic siren	IP68/69K	(selectable)	180 207	9 750.00
90751	85 - 265 VAC	120	electronic siren	IP68/69K	(selectable)	180 207	10 400.00

SIR-TOUCH LED - Siren and LED beacon		(programmable for steady light, flashing light or off)					
90752	24 VDC	120	electronic siren	IP68/69K	(selectable)	180 207	11 300.00
90753	85 - 265 VAC	120	electronic siren	IP68/69K	(selectable)	180 207	12 000.00

Accessories - for SIR-TOUCH siren

90754	mount	swivel wall mount bracket for above siren					908.00
90755	mount	SE 12	swivel base mount bracket for above siren				908.00
120104-06-053	4 Pin female	M12 PUR cable for SIR-TOUCH termination				2 meter	220.00
120104-06-061	4 Pin female	M12 PUR cable for SIR-TOUCH termination				5 meter	443.00

SE120 Alarm sounder 120dB

Powerful and resistant - Customised alerts - Simple configuration (H) 190 x (W) 230 x (D) 190 mm

Discover a new level of sound power

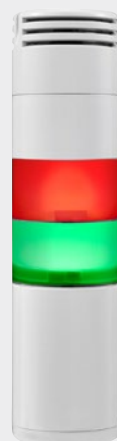
- Unique configuration and diagnostics via **NFC** (with App)
- 120 dB - super loud - siren (8 programmable volume levels)
- 64 different sounds (programmable)

22700	24 VDC	120	electronic siren	IP66/69K	(selectable)	190 190	7 840.00
22701	85 - 265 VAC	120	electronic siren	IP66/69K	(selectable)	190 190	9 310.00

Signalling tower devices



94734



94735

EOS 14.0 series - LED signal stack lights (with analog communication standard)

The **EOS 14.0** system uses an analog communication standard; different functions (*luminous and acoustic*) are activated with different input voltage thresholds. Connected to the network or to a cloud, the **EOS 14.0** system allows remote control and monitoring of machinery and could therefore be part of the Industry 4.0 for Human - Machine Interface (HMI).

EOS 14.0, the first visual and acoustic LED signal column with analog output provide 32 different signal alerts in the range 0 - 10 VDC. Available in various configurations, with one or two multicoloured RGB light modules, acoustic module (2 levels of sound output),

Supply voltage of the column is 24 VDC, the system is designed to activate luminous signalling 5 colours (in steady or flashing light mode) and acoustic signalling with input voltage thresholds (adjustable 0-10 VDC) using just one analog PLC output.

Through hysteresis, all voltage thresholds are protected from unwanted activations or colour changes.

32 different signals (configurable with 0 - 10 VDC analog signal)

- Supply voltage: 12/24 VAC/DC
- Protection: IP66 -IP69K - (suitable for indoor or outdoor use)
- Light module: 5 colours on one module ("steady" or "flashing" mode)
- Acoustic module: Selectable for sound A or B or OFF

type	colour	supply voltage	dB @ 1m max	mode/ colour selection	description	price
EOS 14.0 series - Signal stack lite (with analog communication standard)						
• One or two multi-coloured (5 colours) light modules • One acoustic module providing 2 sounds A and B						
Single multi-coloured light module + acoustic module 77 dB						
94734	multi	12 - 24 VAC/DC	77 dB	0 - 10 VDC	analog controlled stack light	5 080.00
Single multi-coloured light module + acoustic module 95 dB						
94732	multi	12 - 24 VAC/DC	95 dB	0 - 10 VDC	analog controlled stack light	5 600.00
Double multi-coloured light module + acoustic module 77 dB						
94736	multi	12 - 24 VAC/DC	77 dB	0 - 10 VDC	analog controlled stack light	6 660.00
Double multi-coloured light module + acoustic module 95 dB						
94735	multi	12 - 24 VAC/DC	95 dB	0 - 10 VDC	analog controlled stack light	6 980.00

EOS 14.0 series - Function table reference guide

- With the EOS 14.0, a PLC with one 0 - 10 VDC analog output allows 32 different functions to be configured.
- Through hysteresis, all voltage thresholds are protected from unwanted activations or colour changes. (refer to table below)



EOS 14.0 + PLC (with analog output)

FUNCTION	RANGE 0 - 10V	
NOTHING	0.35	±5%
LED OFF	1.00	±5%
STEADY RED	1.65	±5%
BLINKING RED	2.30	±5%
STEADY GREEN	3.00	±5%
BLINKING GREEN	3.65	±5%
STEADY BLUE	4.30	±5%
BLINKING BLUE	5.00	±5%
STEADY AMBER	5.65	±5%
BLINKING AMBER	6.30	±5%
STEADY WHITE	7.00	±5%
BLINKING WHITE	7.65	±5%
SOUND OFF	8.30	±5%
SOUND A	9.00	±5%
SOUND B	9.65	±5%
PULSE TIME	500 ms	2.5s

Signalling tower devices

Signal beacons and towers

Signal beacons are fundamental elements for visual and audible signalling of system status in manufacturing processes.

type	colour	voltage	description	price
Signal beacons Ø62 mm		BA15d	IP54	

• Bases for various mounting solutions (*supplied separately*)

Steady light modules - BA15d lamp supplied separately (see bottom of page)

LB6EL1	orange	lamp dependant	direct supply - steady light module	825.00
LB6EL3	green		direct supply - steady light module	825.00
LB6EL4	red		direct supply - steady light module	825.00
LB6EL5	yellow		direct supply - steady light module	825.00
LB6EL6	blue		direct supply - steady light module	825.00
LB6EL8	white		direct supply - steady light module	825.00

Blinking/steady light modules - BA15d lamp supplied separately (see bottom of page)

LB6GLB1	orange	12 - 48 VAC/DC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLB3	green	12 - 48 VAC/DC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLB4	red	12 - 48 VAC/DC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLB5	yellow	12 - 48 VAC/DC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLB6	blue	12 - 48 VAC/DC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLM1	orange	24 - 230 VAC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLM3	green	24 - 230 VAC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLM4	red	24 - 230 VAC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLM5	yellow	24 - 230 VAC	blinking light module (<i>no lamp</i>)	1 150.00
LB6GLM6	blue	24 - 230 VAC	blinking light module (<i>no lamp</i>)	1 150.00

Mounting accessories for signal beacons (above)

LB6BP03	black	horizontal surface mounting base	184.00
LB6BP05	black	through hole mounting base Ø22 mm with locknut	221.00
LB6BP07	black	base for extended tube connection	221.00
LT7BP01	black	surface mount base with 100 mm extension for LB6BP07	390.00
LT7BP02	black	wall mount base with 100 mm tube extension for LB6BP07	531.00

Super bright LED signal lamps BA15d (360° illumination) for above

LT7ALLB*	red	24 VAC/DC	BA15d	LED lamp for towers	551.00
LT7ALLM*	red	230 VAC	BA15d	LED lamp for towers	618.00

* Replace with: 3= green / 4= red / 5= yellow / 6= blue / 8= white

Signal towers Ø50 mm IP65

Signal towers can be assembled by stacking the following components:

- 1) Wiring module for terminating (*determines control voltage: 12 - 24 VDC or 110 - 230 VAC*)
- 2) Up to 5 light modules (or) 4 light modules + 1 sound module
- 3) Add required mounting accessories

Wiring modules (required for termination of signal towers)

LTN50MW024	grey	12...24 VDC	terminating modules for signal towers	1 250.00
LTN50MW230	grey	110...230 VAC	terminating modules for signal towers	2 280.00

Light modules - (integrated LEDs)

Configurable for steady light or blinking light - via internal DIP switch on each module

LTN50ML1	orange	determined by wiring module	LED light modules for signal towers	833.00
LTN50ML3	green		LED light modules for signal towers	833.00
LTN50ML4	red		LED light modules for signal towers	833.00
LTN50ML6	blue		LED light modules for signal towers	833.00
LTN50ML8	white		LED light modules for signal towers	833.00
LTN50C	grey	top cover	required if no sound module is used	94.00

Sound module (continuous sound)

(IP65)

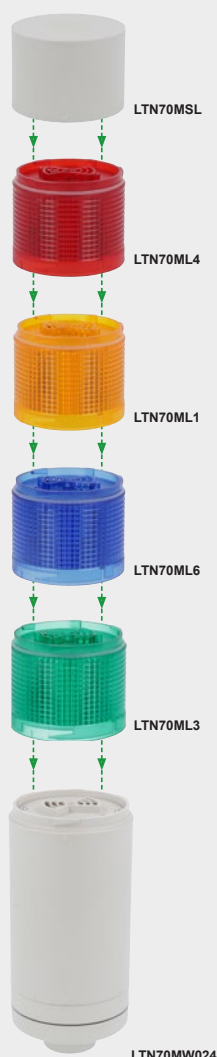
LTN50MSL	grey	85dB	sound module for signal towers	876.00
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Mounting accessories for signal towers (above)

LTN50BP1	black	plastic	horizontal surface mounting base	203.00
LTN50BP3	black	plastic	surf mount base adjustable through 180°	405.00
LTN50BM1	metal	metal	horizontal surface mounting base	283.00
LTN50P100T	metal	metal	100 mm extension tube for base	195.00



Signalling tower devices



Signal towers / Stack lights Ø70 mm

Signal towers are fundamental elements in manufacturing processes for visual and audible signalling of the system status. The signal towers can be assembled by stacking up to 5 light modules or 4 light modules and 1 sound module.

The modules feature exceptional brightness thanks to their plastic construction and the use of high-performance LEDs with a long service life.

The towers are quick and easy to install: simply align their reference marks and snap them together with a light twisting motion.

No. of stackable modules:	5 (5 x light modules or 4 x light and 1x sound)
Light modules:	Configurable as steady or flashing light
Sound modules:	Configurable as pulsed or continuous sound
Compliant with standards:	IEC/EN/BS 60947-5-1, IEC/EN/BS 60947-1, UL508, CSA C22.2 n° 14

type	colour	voltage	description	price
LED Signal towers Ø70 mm				IP65
Signal towers are assembled by stacking the following components:				
1) Wiring module for terminating (<i>determines control voltage: 12 - 24 VDC or 110 - 230 VAC</i>)				
2) Up to 5 light modules (<i>or</i>) 4 light modules + 1 sound module				
3) Add required mounting accessories				
Wiring modules (required for termination of signal towers)				
LTN70MW024	grey	12...24 VDC	wiring modules for signal towers	1 440.00
LTN70MW230	grey	110...230 VAC	wiring modules for signal towers	2 620.00
Light modules - (integrated LEDs)				
Configurable for steady light or blinking light - via internal DIP switch on each module				
LTN70ML1	orange	determined by wiring module	LED light modules for signal towers	958.00
LTN70ML3	green		LED light modules for signal towers	958.00
LTN70ML4	red		LED light modules for signal towers	958.00
LTN70ML6	blue		LED light modules for signal towers	958.00
LTN70ML8	white		LED light modules for signal towers	958.00
LTN70C	grey	top cover	required if no sound module is used	107.00
Sound module - (continuous sound)				
(IP65)				
LTN70MSL	grey	85dB	sound module for signal towers	1 010.00
Mounting accessories for signal towers (above)				
LTN70BP1	black	plastic	horizontal surface mounting base	233.00
LTN70BP3	black	plastic	surf mount base adjustable through 180°	466.00
LTN70BM1	metal	metal	horizontal surface mounting base	325.00
LTN70P100T	metal	metal	100 mm extension tube for base	223.00

Signal towers and beacons: Interpretation of light and sound signals

- Light and sound signals are a fundamental element for the safety of a system
- Each colour or sound alarm corresponds to a specific state of operation of the connected system and various levels of warning, as shown in the table below, according to EN 981-IEC/EN/BS 60073 standards
- The white module can be assigned a meaning as desired

Visual Code	Red	Yellow	Orange	Blue	Green	White
Meaning	Danger / Emergency	Warning and caution - Abnormal situation		Mandatory command	Normal situation - Regular operation	No specific meaning
Sound	Fast modulated repetition or high-pitch pulsing	Continuous short sound		Alternating sound at constant tone	Constant and prolonged sound after an alarm	Other sounds
Correlated actions	Immediate intervention to deal with dangerous situation	Control intervention required		Intervention needed for mandatory action	No specific action	Depending on the situation

Panel-mount control switches



KN3C-R1021



KN3C-R1221



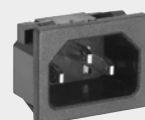
MTS-102



DS-12



KCD1-104



AC-05-2F

New

Toggle switches

type	current lth	pos.	config.	mount hole Ø	switch	description	price
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KN3C series - Standard toggle switches

- Rating: 20A 125 VAC / 15A 250 VAC
- Termination: 6.3 mm tab terminals
(accepts 6.3 mm push-on lugs)
- Mounting: M12 x P1.0 mm threaded collar (mounts through Ø12.2 mm panel hole)
- Dielectric strength: 1500 VAC (1 minute)
- Legend: Supplied with ON/OFF legend plate

Single pole toggle switches

KN3C-R1021	15A	2-pos	ON-OFF	12.7 mm	SPST	std power toggle switch	72.00
KN3C-R1121	15A	2-pos	ON-ON	12.7 mm	SPDT	std power toggle switch	73.00
KN3C-R1122	15A	3-pos	ON-OFF-ON	12.7 mm	SPDT	std power toggle switch	74.00

Double pole toggle switches

KN3C-R1221	15A	2-pos	ON-OFF	12.7 mm	DPST	std power toggle switch	76.00
KN3C-R1321	15A	2-pos	ON-ON	12.7 mm	DPDT	std power toggle switch	77.00
KN3C-R1322	15A	3-pos	ON-OFF-ON	12.7 mm	DPDT	std power toggle switch	78.00

Accessories - for above toggle switches

WP-02	boot	rubber protection boot M12 for KN3C toggle switches					14.00
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MTS series - Miniature toggle switches

- Rating: 6A 125 VAC / 3A 250 VAC
- Termination: Solder terminals (W) 2.05 mm
- Mounting: M6 x 0.75 threaded collar (mounts through Ø6 mm panel hole)
- Dielectric strength: 1000 VAC (1 minute)
- Operating temp: -25...+85°C

Single pole miniature toggle switches

MTS-102	3A	2-pos	ON-ON	6.5 mm	SPDT	miniature toggle switch	19.60
MTS-102T	3A	2-pos	ON-(ON)	6.5 mm	SPDT	spring return from R	25.00
MTS-103	3A	3-pos	ON-OFF-ON	6.5 mm	SPDT	centre off	22.80
MTS-103D	3A	3-pos	(ON)-OFF-(ON)	6.5 mm	SPDT	spring return from L+R	28.20
MTS-103T	3A	3-pos	ON-OFF-(ON)	6.5 mm	SPDT	spring return from R	26.00

Double pole miniature toggle switches

MTS-202	3A	2-pos	ON-ON	6.5 mm	DPST	miniature toggle switch	23.90
MTS-203	3A	3-pos	ON-OFF-ON	6.5 mm	DPST	centre off	27.10

Miniature pushbutton switch - black button

DS-12	3A	2-pos	ON-(ON)	6.5 mm	SPDT	spring return (blk button)	28.00
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Accessories - for above miniature switches

WP-01	boot	rubber protection boot for MTS miniature toggle switch					12.90
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Rocker switches

Mechanical life: ≥10000 cycles

Made from durable PC materials, which are impact resistant to high temperature and discolouration. Switch simply pushes into the correctly cut hole.

- Current rating: 6A 250 VAC 10A 125VAC
- Contact resistance: ≤ 50mΩ
- Insulation resistance: ≥100mΩ
- Dielectric strength: ≥1500V AC/MIN
- Termination: Fast-on 4.8 or solder connection

type	current rating	colour	poles	configuration contact	switch	dimensions (mm) frame	cut-out	price
KCD1-104	6A	black	2-pole	DPST	ON/OFF	21 x 15	19 x 13	10.80

Power socket (panel-mounting)

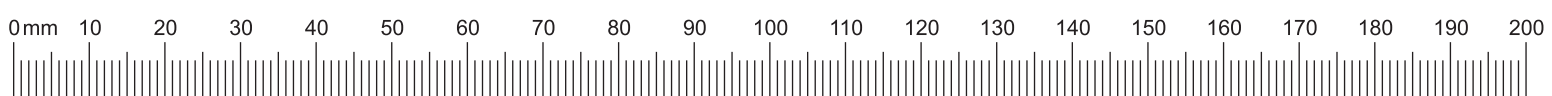
Mechanical life: ≥6000 cycles

The AC panel-mount male socket simply mounts through the correctly cut hole (26.5 x 20.5 mm) in a panel, made from Nylon 66 to 94V-2 flammability

- Current rating: 10A 250 VAC
- Insulation resistance: ≥100mΩ - 500 VDC
- Withstand voltage: 2500V AC/1 min (between all terminals)
3750V AC/1 min (terminals to base)
- Termination: Fast-on 4.8 or solder connection

type	current rating	colour	poles	description	dimensions (mm) frame	cut-out	price
AC-05-2F	10A	black	2P+E	AC p/mount male socket	31 x 24	26.5 x 20.5	17.20

Notes

This image shows a full page of blank handwriting practice paper. It features approximately 28 evenly spaced horizontal green lines across the entire page, providing a guide for letter height and placement. The background is plain white, and there are no margins, text, or other markings present.

P3
MAIN DB
POWER METER

