

# Mini Belt Alignment Switches TYPE: HLM-CBA

## APPLICATIONS:

IDEM's HLM-CBA mini conveyor belt alignment switches come with either plastic roller or stainless steel roller.

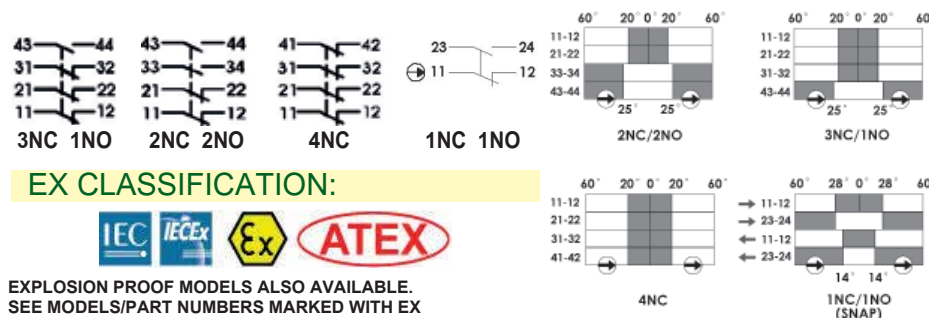
They are available with either slow break or snap action contacts.

## FEATURES:

- Heavy duty die cast bodies (painted red)
- Positive opening NC safety contact to EN60947-5-1
- High mechanical life over 500,000 cycles
- Industry standard mounting to EN50041
- Choice of Stainless Steel or Plastic Roller

## CONTACT BLOCKS:

Contact blocks provide positively operated safety contacts to EN60947-5-1 with optional Explosion Proof versions available.

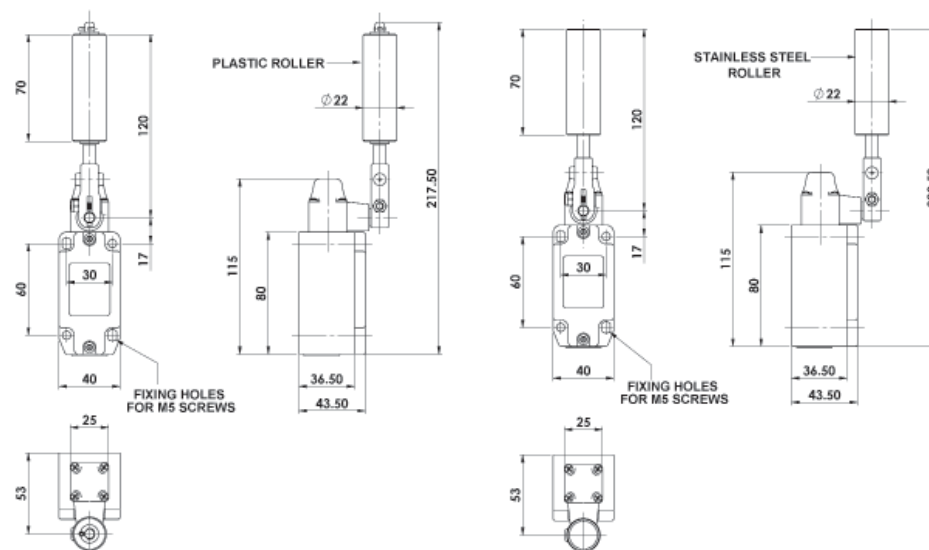


## EX CLASSIFICATION:



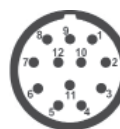
EXPLOSION PROOF MODELS ALSO AVAILABLE.  
SEE MODELS/PART NUMBERS MARKED WITH EX

## DIMENSIONS:



HLM-CBA-P  
Plastic Roller

HLM-CBA-S  
S/Steel Roller



Quick Connect (QC) M23 12 Way Male (connector length 26mm) (pin view from switch)	Switch Circuit
1 3	11/12
4 6	21/22
7 8	33/34 or 31/32
9 10	41/42 or 43/44
12	Earth

## ORDERING:

HLM-CBA-P with PLASTIC ROLLER	SALES NUMBERS		
	M20	1/2"NPT	QC M23
2NC 2NO	174401	174402	174403
3NC 1NO	174404	174405	174406
4NC	174407	174408	174409
1NC 1NO Snap	174410	174411	174412
1NC 1NO EX	174413	3m 4 core Ex	
2NC EX	174414	3m 4 core Ex	
2NC 2NO EX	174415	3m 8 core Ex	

HLM-CBA-S with STAINLESS STEEL ROLLER	SALES NUMBERS		
	M20	1/2"NPT	QC M23
2NC 2NO	174451	174452	174453
3NC 1NO	174454	174455	174456
4NC	174457	174458	174459
1NC 1NO Snap	174460	174461	174462
1NC 1NO EX	174463	3m 4 core Ex	
2NC EX	174464	3m 4 core Ex	
2NC 2NO EX	174465	3m 8 core Ex	

## TECHNICAL SPECIFICATIONS:

Standards: ISO14119 EN60947-5-1 EN60204-1  
ISO13849-1 EN62061 UL508

### Safety Classification and Reliability Data:

Mechanical Reliability B10d	500,000 operations at 100mA load
Positive Opening Operation	NC contacts
Utilisation Category	AC15 A300 240V 3A
Minimum Current	5V 5mA dc
Thermal Current (Ith)	10A
Rated Insulation Voltage	300Vac
Rated Impulse Withstand	2500Vac
Maximum Switching Speed	250mm/sec
Housing Material	Die Cast
Roller Material:	Stainless Steel or Plastic
Enclosure Protection	IP67
Operating Temperature	-25C to +80C
Electrical Life Expectancy	100,000 cycle min (at full load)
Vibration	IEC68-2-6 10-55Hz 0.35mm
Conductor Size	1.5mm <sup>2</sup>
Fixing	M5 bolts
Operating Torque	1.10Nm Plastic Roller 1.40Nm Stainless Steel Roller