



# Klemmsan®

## 270144 M1D-SA

Motor Protection Relay

<b>General</b>	Casing Width (mm)	17,5
	Connections	Screw Terminal
	Network	3Ø with Neutral
	Response Time for Monitoring Any Function	Maks. 250ms
	Type of Output	Relay
	Supply Frequency	50-60 Hz
	Control Input Voltage Range	—
	Operating Frequency	50-60 Hz
	Protection Class	IP20
	Mounting Type	
	EMC-EMI	✓
	Packing Unit	1
	Weight (g)	70
	Packing Unit	1
Dimensions	—	
<b>Phase Failure</b>	Fixed Delay Time	500ms
<b>Phase Sequence</b>	Fixed Delay Time	500ms
<b>Adjustable/Fixed Unbalanced Protection</b>	Range/Limit	±20%
	Hysteresis	3% x Un ≈ 12VAC
	Delay Time	2000msec
<b>Adjustable Voltage Protection</b>	Upper Limit	—
	Lower Limit	—
	Hysteresis	—

	Delay Time	--
<b>Adjustable Current Protection</b>	Upper Limit	--
	Lower Limit	--
	Hysteresis	--
	Delay Time	--
<b>Adjustable Frequency Protection</b>	Upper Limit	--
	Lower Limit	--
	Hysteresis	--
	Delay Time	--
<b>Adjustable/Extremely High-Low Voltage Protection</b>	Upper Limit	--
	Lower Limit	--
	Hysteresis	--
	Delay Time	--
<b>PTC Protection</b>	Fixed Delay Time	--
	Threshold	--
<b>Auxiliary Contacts</b>	Type	1 C/O (SPDT)
	Max. Ratings - AC (for NO Side)	5A/250V; 1250VA
	Max. Ratings - DC (for NO Side)	5A/30VDC: 150W
	Mechanical Lifetime	$\geq 10^7$ operation
	Electrical Lifetime Operations (for NO Side)	$5 \times 10^4$ (5A@250VAC) $1 \times 10^5$ (5A@30VDC)
<b>Supply Voltage</b>	DC	--
	AC	380-480 $\pm$ 25% from L3-N
<b>Ambient Conditions</b>	Operating Temperature	-20°C +60°C
	Storing Temperature	-40°C +75°C
	Relative Humidity (No Condensation)	Maks. 95% (no condensation)
<b>Power Consumption</b>	DC	--
	AC	<4VA

### Order Info

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