

# P1D-M2WSP 295-480

**Klemsan**

270287

Motor Protection Relay

Category: Protection and Control Relays  
Type: Motor Protection Relay  
Group: Electronics Products



## Commercial Information

Package Unit	1 pcs.
Customs Tariff Number	853649000029
Weight Per Unit Including Packaging	0,08

## Technical Information

GENERAL	
Connection Type	Screw terminal
Protection Class	IP20
Weight (g)	80
Packaging Quantity	1
Case Width (mm)	18

Mounting Type	Rail Mount
Nominal Voltage	295V-480V
EMC-EMI	ok
Networks	3Ø with neutral
<b>POWER SUPPLY</b>	
Voltage	145-520V LL ±20% AC
Frequency	50-60Hz
Consumption	<13VA AC
<b>ENVIRONMENTAL CONDITIONS</b>	
Operating Temperature	-20 to +60°C
Storage Temperature	-40°C +75°C
Relative Humidity (Non-condensing)	Max. 95% (no condensation)
<b>BACKUP CONNECTIONS</b>	
Type	1 C/O (SPDT)
Max. Values - AC (NO side)	10A/250V; 1250 VA
Max. Values - DC (NO side)	5A/30VDC; 150W
Mechanical Operating Life	= 10 <sup>7</sup> operations
Electrical Operating Life (NO side)	5x10 <sup>4</sup> (5A@250VAC) 1x10 <sup>5</sup> (5A@30VDC)
<b>MONITORING FUNCTIONS</b>	
Phase Loss Delay Time	500
Phase Sequence Delay Time	500
Neutral Loss Delay Time	-
Asymmetry Protection Range/Limit	-

Asymmetry Protection Hysteresis	-
Asymmetry Protection Delay Time	-
Voltage Protection Upper Limit	$\pm (5 - 30\%)$
Voltage Protection Lower Limit	$\pm (5 - 30\%)$
Voltage Protection Delay Time	0.1sn .. 10sn
Number of Props for Liquid Level Monitoring	-
Liquid Level Monitoring Sensitivity	-
Liquid Level Monitoring Delay Time	-
Light Intensity Monitoring Limit	-
Light Intensity Monitoring Delay Time	-
Frequency Protection Upper Limit	-
Frequency Protection Lower Limit	-
Frequency Protection Delay Time	-
PTC Protection Short Circuit Threshold	20 0 ohm
PTC Protection High Value Threshold	2.7 k ohm
PTC Protection Delay Time	500ms
Voltage Protection Hysteresis	3% x Un