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PROTECTION RELAYS

## FP1D-SF 400

**Stock Keeping Unit (SKU):** 270302

*Motor Protection Relay*



### Commercial Information

Product Sales Code	<b>270302</b>
Package Unit	<b>1 pcs.</b>
Customs Tariff Number	<b>853649000029</b>
Weight Per Unit Including Packaging	<b>0.8 kg.</b>

### Technical Information

General	
Networks	<b>3Ø without neutral</b>
Connection Type	<b>Screw terminal</b>
Protection Class	<b>IP20</b>
Weight G	<b>80</b>
Packaging Quantity	<b>1</b>
Case Width Mm	<b>18</b>
Mounting Type	<b>Rail Mount</b>
Nominal Voltage	<b>400</b>
Emc Emi	<b>ok</b>

Power Supply	
Voltage	<b>85-300V LN ±20% AC</b>

Frequency	<b>50-60Hz</b>
Consumption	<b>&lt;13VA AC</b>

### Environmental Conditions

Operating Temperature	<b>-20 to +60°C</b>
Storage Temperature	<b>-40°C +75°C</b>
Relative Humidity Non Condensing	<b>Max. 95% (no condensation)</b>

### Backup Connections

Type	<b>1 C/O (SPDT)</b>
Max Values Ac No Side	<b>10A/250V; 1250 VA</b>
Max Values Dc No Side	<b>5A/30VDC; 150W</b>
Mechanical Operating Life	<b>= 10<sup>7</sup> operations</b>
Electrical Operating Life No Side	<b>5x10<sup>4</sup> (5A@250VAC) 1x10<sup>5</sup> (5A@30VDC)</b>

### Monitoring Functions

Phase Loss Delay Time	<b>500 ms</b>
Phase Sequence Delay Time	<b>500 ms</b>
Neutral Loss Delay Time	<b>500 ms</b>
Asymmetry Protection Rangelimit	
Asymmetry Protection Hysteresis	
Asymmetry Protection Delay Time	
Voltage Protection Upper Limit	
Voltage Protection Lower Limit	
Voltage Protection Delay Time	
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

Ptc Protection High Value Threshold

Ptc Protection Delay Time

Voltage Protection Hysteresis