Product datasheet





protection relay PowerLogic P1F 24-250V 3CT 1lo: 0.05-12IN 0DI-4DO

REL15001

Main

Mani		
Range Of Product	PowerLogic	
Product Or Component Type	Protection relay	
Relay Application	Feeder	
Product Reference	P1	
Device Mounting	Flush	
Mounting Support	Fixing kit	
Mounting Mode	Flush-mounted	
Power Supply	24240 V AC 24250 V DC	
Measuring Inputs	: 1/5 A CT phase current 0	
Number Of Digital Inputs (Di)	0	
Number Of Digital Outputs (Do)	4 DO 1 watchdog	
Cybersecurity	Password protection	
Protection Functions	Breaker failure 50BF Phase overcurrent 50/51 Earth fault overcurrent 50N/51N Lockout relay 86 Cold load pick-up	
Arc Flash Protection	No	
Measurement Functions	Current 3-phase Current RMS Current peak Frequency	
Control Functions	I/O push-button	
Monitoring Functions	Trip circuit supervision 74 Relay self-monitoring	
Logs And Records	Trip context information	
Switchgear Diagnosis Type	Trip circuit supervision ANSI code: TCS	
Connections - Terminals	Snap-on fixed	

Complementary

Maximum Power Consumption In W	13.5 W AC 4 W DC
Display Type	Graphic display terminal
Number Of Key	9

Local Signalling	6 x LED red/orange programmable 1 x LED red relay trip indicator 1 x LED green watchdog
Standards	EN 60255-26:2009 EN 60255-1:2010 EN 60255-27:2005
Product Certifications	CE
Height	Embedded: 101.5 mm Total: 116.5 mm
Width	Embedded: 101.5 mm Total: 116.5 mm
Depth	Embedded : 108 mm Total : 119 mm
Net Weight	0.8 kg maximum

Environment

Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility	
Electromagnetic Compatibility	Electromagnetic immunity level 3 conforming to EN 61000-4-2/3/4/5/6/8	
Mechanical Robustness	Seismic tests: 2 Gn horizontal, 1 Gn vertical conforming to EN 60255-21-3 Shocks (level: class 1): 5 Gn for 11 ms conforming to EN 60255-21-2 Shocks withstand (level: class 1): 10 Gn for 16 ms conforming to EN 60255-21-2 Bumps (level: class 1): 15 Gn for 11 ms conforming to EN 60255-21-2 Vibrations (level: class 1): 1 Gn, 10150 Hz, 1 cycle conforming to EN 60255-21-	
Ambient Air Temperature For Operation	-2560 °C -3070 °C (16 h)	
Ambient Air Temperature For Storage	-3070 °C	
Ip Degree Of Protection	IP54 conforming to IEC 60529	
Relative Humidity	093 % at 40 °C, 21 days 093 % at 60 °C, 10 days 93 % at 2555 °C, 6 cycles, 12 + 12 hours	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.5 cm
Package 1 Width	16.5 cm
Package 1 Length	16.5 cm
Package 1 Weight	917.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.943 kg



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Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information