

Product datasheet

Specifications



protection relay PowerLogic P1F1S
- CT powered, single phase for
retrofit applications, CT Input 1A

REL15037

⚠ Discontinued on: 10 Sept 2025

⚠ Discontinued

Main

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
measuring inputs	: 1 A CT phase current 1
number of Digital Inputs (DI)	0
number of Digital Outputs (DO)	2 analog output
number of analogue inputs	1 analog input
communication ports	1 USB type mini B on front
communication protocols	Modbus RTU
Cybersecurity	Password protection
protection functions	Phase overcurrent 50/51
Arc flash protection	No
Relay type	Self-powered
measurement functions	Current RMS
logs and records	Event recording Disturbance recording Fault recording
Connections - terminals	Snap-on fixed

Complementary

Maximum power consumption in W	2.25 W maximum
Software name	Easergy Studio: device setup
Display type	Monochrome graphic LCD
Number of key	9
Local signalling	5 x LED red/orange programmable 1 x LED green watchdog 1 x LED orange relay trip indicator
Communication compatibility	Modbus RTU

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	EN 60255-26:2013 EN 60255-1:2010 EN 60255-27:2014
Product certifications	CE
Height	Total: 106.5 mm Embedded: 101.5 mm
Width	Total: 106.5 mm Embedded: 101.5 mm
Depth	Total : 118 mm Embedded : 113 mm
Net weight	1 kg maximum

Environment

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, 10...150 Hz, 1 cycle conforming to EN 60255-21-1
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...70 °C
IP degree of protection	IP54 conforming to IEC 60529 IP20
Relative humidity	0...93 % at 40 °C, 21 days

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.8 cm
Package 1 Width	15.8 cm
Package 1 Length	25.6 cm
Package 1 Weight	2.75 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	373 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	210 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.8 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	157 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	5
End of life manual availability	End of Life Information
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins