

Product datasheet

Specifications



Protection relay, MiCOM P116, dual power, In 5A, Ion 1A, 0.002-1 Ion, Vx 60-240VAC/60-250VDC

REL10240

⚠ Discontinued on: 01 Dec 2024

⚠ To be end-of-service on: 31 Dec 2033

⚠ To be discontinued

Main

Range of product	MiCOM P11x
Device short name	P116
Product or component type	Protection relay
Relay application	Feeder
Protection type	ANSI 79 : recloser ANSI 86 : lockout ANSI 49RMS : thermal overload protection ANSI 37 : phase undercurrent ANSI 50N/51N : earth fault ANSI 50BF : breaker failure ANSI 50/51 : phase overcurrent ANSI 46 : negative sequence/unbalance ANSI 46BC : broken conductor Cold load pick-up Switch ON to fault (SOTF) Logic selectivity 2nd harmonic blocking
Input output max capacity	6 inputs + 7 outputs
Communication port protocol	Modbus RTU IEC 60870-5-103

Complementary

Type of measurement	Current
Supply	Via current transformer Auxiliary power supply
Input current	5 A
auxiliary supply	60...240 V AC 60...250 V DC
[Ue] rated operational voltage	48...264 V AC 48...300 V DC
Control and monitoring type	Latching/acknowledgement Switching of groups of settings
Monitoring function	Circuit breaker monitoring
Metering type	Phase currents Residual current I0
Network and machine diagnosis type	Fault recording Event recording Self diagnostic
Switchgear diagnosis type	Trip circuit supervision
Display type	LCD display: 2 lines of 16 characters ASCII (European characters) and 9 key

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Discrete input voltage	24...240 V AC standard variant 24...250 V DC standard variant
earth current inputs	1 A 0.002...1 Ion
curves	IDMTL conforming to IEC IDMTL conforming to ANSI/IEEE RI type IDMTL RECT type IDMTL
Communication port support	RS485 USB

Environment

Device mounting	Flush
-----------------	-------

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.800 cm
Package 1 Width	15.800 cm
Package 1 Length	25.600 cm
Package 1 Weight	2.750 kg



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 >](#)

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No