

Product data sheet

Specifications



Protection relay, MiCOM P116, dual power, In 5A, Ion 5A, 0.10-40 Ion, Vx 60-240VAC/60-250VDC

REL10279

! To be discontinued

! To be discontinued on: Dec 31, 2024

! To be end-of-service on: Dec 31, 2033

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
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 IO
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

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	110 V DC universal programmable voltage thresholds 220 V DC universal programmable voltage thresholds 129 V DC universal programmable voltage thresholds
Earth Current Inputs	5 A 0.1...40 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
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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