

Product datasheet

Specifications



P127 voltage/current - Ion 1A 0.01-8Ion - IEC 60870-5-103

REL21703

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

Main

Protection type	ANSI 50/51 : overcurrent ANSI 79 : recloser Cold load pick-up ANSI 50G/51G : earth fault ANSI 86 : lockout ANSI 47 : negative sequence overvoltage ANSI 27 : undervoltage ANSI 59 : overvoltage ANSI 81R : rate of change of frequency ANSI 59N : neutral voltage displacement ANSI 49RMS : thermal overload protection ANSI 81L : underfrequency ANSI 37 : phase undercurrent ANSI 46 : negative sequence overcurrent ANSI 67N : directional earth fault ANSI 67W : earth fault wattmetric ANSI 81O : overfrequency ANSI 62/50BF : breaker failure ANSI 64 : restricted earth fault ANSI 67P : directional phase overcurrent ANSI 51V : voltage-restrained overcurrent
Number of inputs	4 current input CT...X/5 A and X/1 A 3 voltage 12 discrete
Number of outputs	9 discrete
Communication port protocol	DNP3 IEC 60870-5-103 Modbus RTU

Complementary

[Us] rated supply voltage	24...250 V DC 19.2...300 V 48...250 V DC 38.4...300 V 48...240 V AC 38.4...264 V
Control and monitoring type	Circuit breaker/contactors control
Network and machine diagnosis type	Fault recording Event recording Disturbance recording15 s
Switchgear diagnosis type	Trip circuit supervision ANSI code: TCS CT supervision ANSI code: CTS VT supervision ANSI code: VTS
Discrete input voltage	24...250 V DC 19.2 V standard variant 48...250 V AC 19.2 V standard variant 48...250 V DC 105 V further option 48...250 V DC 77 V further option 48...250 V DC 154 V further option 48...240 V AC 105 V further option 48...240 V AC 77 V further option 48...240 V AC 154 V further option

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

Communication port support	RS232 RS485
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Environment

Height	Total: 177 mm Embedded: 157.5 mm
Width	103 mm
Depth	Total : 270 mm Embedded : 240 mm
Device mounting	Flush

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22 cm
Package 1 Width	24 cm
Package 1 Length	34 cm
Package 1 Weight	4.694 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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better



Materials and Substances

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)