

Product data sheet

Specifications



arc protection relay, PowerLogic A125

REL52900

Product availability: Stock - Normally stocked in distribution facility

Main

Range	PowerLogic
Range of Product	Easergy ARC
Product name	PowerLogic Arc
Device short name	A125
Product or Component Type	Arc fault detection device
Relay application	Arc flash
Protection Type	Arc suppression
Protection type	Arc suppression 50ARC
number of inputs	3 binary 1 binary current input 4 arc sensor 1 digital

Complementary

binary input voltage	24...240 V AC/DC 250 V)
number of outputs	2 binary 1 relay 1 IGBT 2 control relay
Output current limits	20 mA 24 V DC
Type of Measurement	Arc
control functions	Switchgear internal arc detection
power supply	24...240 V AC/DC
HMI	LED 11
mounting	Flush DIN rail
Mounting Support	Panel
Connections - Terminals	Removable screw terminal block
Height	Total: 5.3 in (135 mm)
Width	Total: 2.8 in (70 mm)
Depth	Total : 5.0 in (126 mm)
Net weight	2.0 lb(US) (0.9 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Electromagnetic compatibility	Emission tests IEC/EN 60255-26 ed. 3 Emission tests class A EN 55022 Emission tests CISPR 22 Emission tests class A EN 55011 Emission tests IEC 60255-25 Emission tests CISPR 11 EMC immunity A IEC/EN 60255-26 ed. 3 Damped oscillatory wave EN/IEC 61000-4-18 Electrostatic discharge level 4 EN/IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test level 3 EN/IEC 61000-4-3 Electrical fast transient level 4 EN/IEC 61000-4-4 Surge immunity test level 3 EN/IEC 61000-4-5 Immunity to conducted interference caused by radio-electrical fields level 3 EN/IEC 61000-4-6 Immunity to magnetic fields EN/IEC 61000-4-8 Immunity to magnetic fields level 5 EN/IEC 61000-4-9 Immunity to voltage dips power lines (DC) EN/IEC 61000-4-29 Immunity to voltage dips EN/IEC 61000-4-11 Immunity to ripple EN/IEC 61000-4-17
Standards	EN/IEC 60255-1 EN 60255-27
IP degree of protection	IP20 conforming to IEC 60529
Relative humidity	0...95 % without condensation
Mechanical robustness	Vibrations class 2) IEC 60255-21-1 Shocks class 2) IEC 60255-21-2 Earthquakes criteria A) level 2 IEC 60255-21-3 Vibrations Fc) IEC 60068-2-6 Shocks Ea) IEC 60068-2-27
Protective treatment	Conformal coating
Operating altitude	<= 6561.68 ft (2000 m)
Environmental characteristic	Exposure to dry heat Bd EN/IEC 60068-2-2 Exposure to cold Ad EN/IEC 60068-2-1 Exposure to damp heat in service Db EN/IEC 60068-2-30 Exposure to damp heat in service Cab EN/IEC 60068-2-78 Temperature variation Nb IEC 60068-2-14
Ambient Air Temperature for Operation	-40...149 °F (-40...65 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)

Ordering and shipping details

Category	US1PL1S11405
Discount Schedule	PL1S
GTIN	3606489520878
Returnability	Yes
Country of origin	LV

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.118 in (13.000 cm)
Package 1 Width	6.811 in (17.300 cm)
Package 1 Length	6.811 in (17.300 cm)
Package weight(Lbs)	2.509 lb(US) (1.138 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	4

Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	10.948 lb(US) (4.966 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	353 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	31 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	319 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	3 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
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again

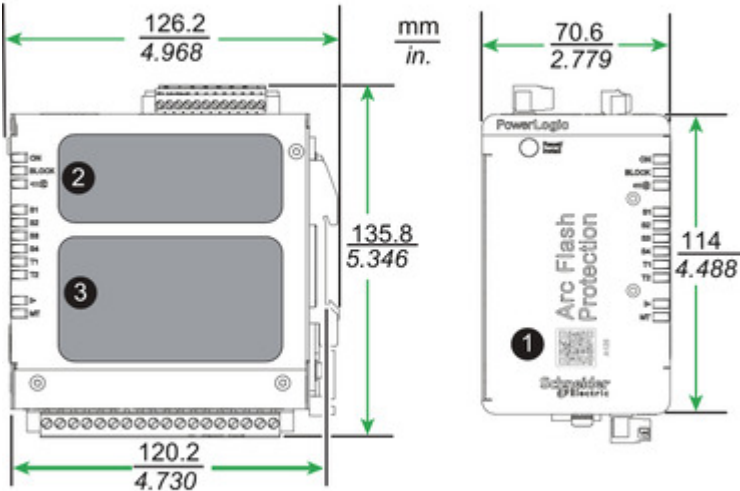


Repack and remanufacture

Recyclability potential, in %	56
Circularity Profile	End of Life Information
Take-back	No

Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

