

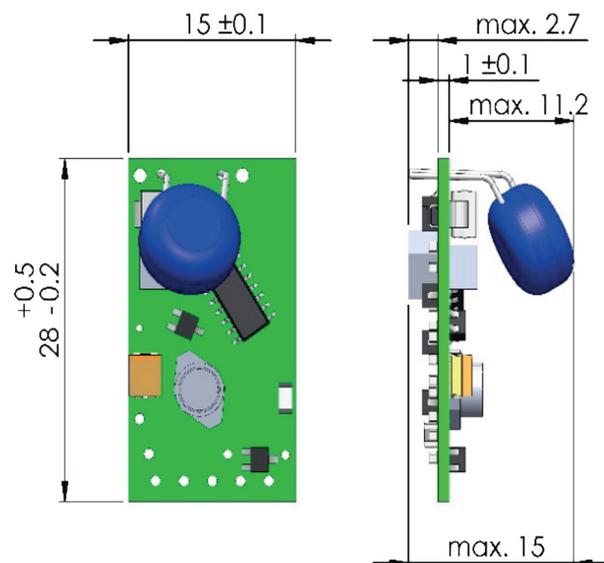
Circuit Protection & Interrupter Subassemblies

PSU-01 Series

Specifications

AC Supply Voltage Range	180 V to 275 V ac
DC Output Voltage	5 V dc \pm 1%
Maximum Output Current	10 mA
Maximum Output Ripple	5 mV
Minimum Solenoid dc Impedance	50 Ω
Environmental Operating Conditions	-25 °C to +85 °C
Relevant Product Standard	IEC 62606 (Applicable in combination with the AFD-01 and when integrated in the customer's circuit breaker)
Size (Width x Length x Height)	15 mm x 28 mm x 15 mm
Weight	< 3 g

Dimensional Drawings (Millimeters)



Handling Instructions

Care should be taken to ensure the correct connection of the PSU-01. Miswiring the product may cause permanent damage.

ESD Caution

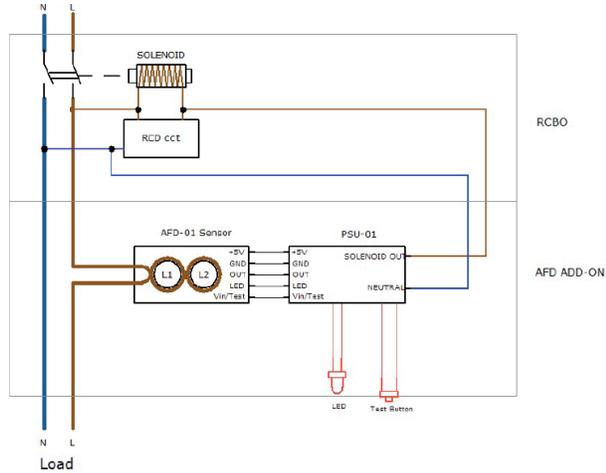
PCBA contains ESD (electrostatic discharge) sensitive devices. Damage may occur on devices subjected to high-energy ESD. Therefore, proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

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Wiring Diagram

PSU-01 SYSTEM CONNECTION



NAME	DESCRIPTION
L	Supply Live / Solenoid Tripping
N	Supply Neutral
LED + / LED -	"Fault" LED Output
Btn + / Btn -	Test Button
-1	Regulated Power Supply Output
GND	Ground
Trip	Tripping Signal Input (connect to OUT from AFD-01)
LED	LED Input (connect to LED from AFD-01)
Vin / Test	Mains / Test Output (connect to Vin / Test to AFD-01)

Standards Conformity & Certifications

Product Safety Certifications

Products tested, compliant and certified to the following standards that states the requirements for electrical products to ensure they are safe for consumers to use.

CERTIFICATION BODY MARK	CERTIFICATION BODY NAME	CERTIFICATION DESCRIPTION	STANDARDS COVERED BY THE CERTIFICATION
	IEC	Conformity with the international standard for arc fault detection devices (AFDDs) for household and similar uses, intended to be used in ac circuits for rated voltages not exceeding 440 V ac with rated frequencies of 50 Hz, 60 Hz, or 50/60 Hz and rated currents not exceeding 63 A.	IEC 62606 when used with AFD-01

Environmental Compliance

Products comply to the following environmental standard requirements for electrical products to ensure they are safe for consumers to use.

-	STANDARD NAME	STANDARD DESCRIPTION	STANDARD NUMBER
	RoHS	Conformity with the European Restriction of Hazardous Substances in electrical and electronic products.	European Union RoHS 2 Directive 2011/65/EU

Related Products

AFD-01: AC Arc Fault Current Detector

PSU-02: Power Supply Unit for PMR Tripping

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