

This document must be retained for future reference.

It is the responsibility of the person installing the electrical equipment to ensure that the installation meets the requirements of the IET wiring regulations and is therefore 'fit for purpose'. Factors such as correct selection of components, cable sizing, protective devices and Earth bonding are all critical and should be checked prior to full testing and power-up. Any other regulations applicable to the equipment being installed such as the Machinery Directive and current health and safety legislation must also be adhered to.

All connections (including factory made) must be checked for the correct tightness prior to commissioning of the electrical installation. All connections should also be inspected periodically to ensure correct tightness.

DO NOT USE POWER TOOLS ON THESE PRODUCTS



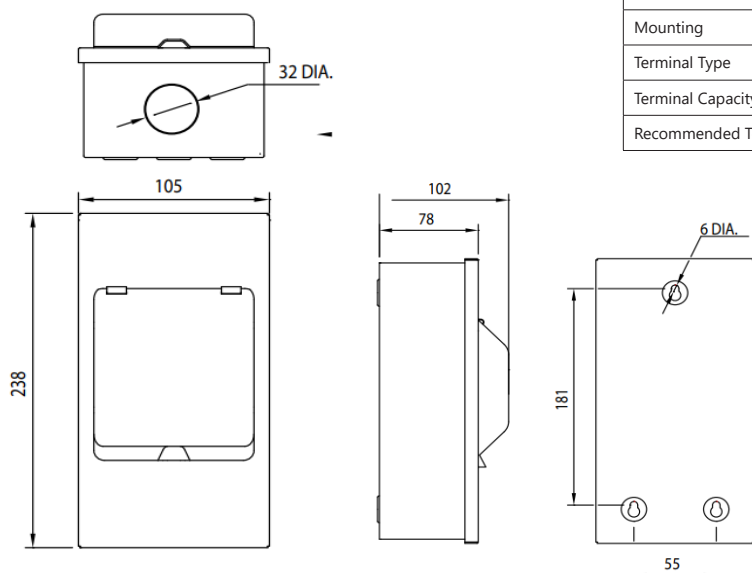
ECSS-101 Safe Surge Unit

SPD Specification

		TY630N
According the IEC61643-11		Type 2
Earthing System		TT/TN
System Voltage	Un	230/400V
Max. continuous operation AC voltage	Uc	275V
Normal discharge current (8/20μs)	In	15kA
Maximum discharge current (8/20μs)	Imax	30kA
Voltage protection level	Up	1.5kV
Maximum backup fuse (gL) / MCB		63A
Response time	IA	25ns
Status indicator		non/red
Mounting		35mm Din Rail
Cross section of wire (min.)		4mm
Cross section of wire (max.)		16mm
Casing material		Thermal plastic UL94 - V0
Degree of protection		IP20

NOTE: SPD Status Indicator = Red - Replace

Enclosure Dimensions



Isolator Specification

Product Ranges	ISO100-2
Standard (s)	IEC 60947-3, EN 60947-3
Rated Current (In)	100A
Rated Uninterrupted Current (Iu)	100A
Rated Operational Voltage (Ue)	AC 230 (240) / 400 (415)V
Rated Frequency	50/60Hz
Rated impulse withstand voltage (Uimp)	6kV
Number of poles	2
Rated Insulation Voltage (Ui)	500V
Utilization Category	AC-22B
Operating Temperature	-5° to 40 °C*
Altitude	Not exceeding at 2000 metres
Humidity	Not exceeding 50% at 40 °C and 90% at 20 °C
Pollution Degree	3
Terminal Protection	IP20
Mounting	35mm DIN Rail
Terminal Type	Tunnel
Terminal Capacity	2.5-35mm²
Recommended Terminal Torque	2.0Nm



ECSS-101 Installation

The ECSS-101 surge protection device is designed to be installed directly from from a spare way in the consumer unit using 6mm cable. Short circuit protection should be provided by a 32A 'C' curve MCB.

The combined length of the connecting conductors in relation to the current path should ideally be less than 0.5 Metres and in no circumstances exceed 1 Metre.

Live + CPC = <0.5M (Maximum 1M)

Neutral + CPC = <0.5M (Maximum 1M)

