Proteus Data Sheet

Product Code	Product Range	Issue No.	Issue Date	Issue By
U500FS	U range	C	Feb 2026	T.T.

Description

Switch Disconnector Fuse suitable for isolation.

Features

Door interlocked, insulated handle.
Padlock facility.
Robust metal enclosure.
Quad break, phase contact configuration.



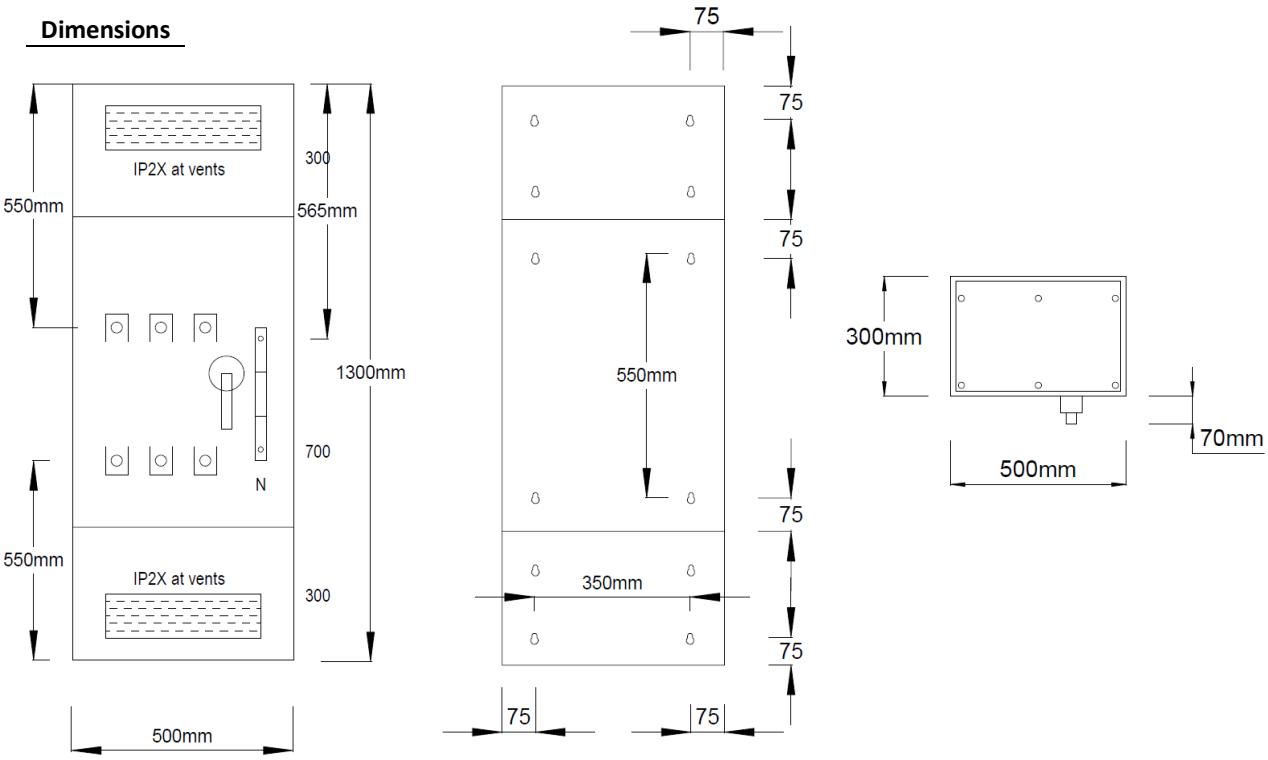
General Characteristics

Standards	BS EN 60947-3. BS EN 60947-1.
Current Rating (In) at 40°C	500A
Utilization category. IEC 60947-3.	
415 VAC	500A – AC21 A. 500A – AC22 A. 500A – AC23 A.
500 VAC	500A – AC21 A. 500A – AC22 A. 500A – AC23 A.
690 VAC	500A – AC21 A. 500A – AC22 A. 500A – AC23 A.
Utilization category. A = frequent operation. B = infrequent operation.	
No. of Poles	3 switched. Bolted neutral.
Rated Insulation Voltage (Ui) AC 50-60Hz	1000V
Rated Impulse Withstand Voltage (Uimp)	8 kV
Frequency	50 / 60Hz
Fused protected Short Circuit current (Icc)	65 kA - 500A gG
Polarity	Bi-directional
Terminal Cable Capacity	M12 bolted connection. 300mm.sq. with cable box. Pads 40mm
Terminal Tightening Torque	50 - 56Nm.
Ingress Protection (IP)	3X. IP2X at vents.
Mechanical operations	10000.
Weight kg approx	45kg
Pollution Degree	3
Switching positions	O – I (OFF - ON).
Fuses	500A BS88 part 2 ref: C2&C3. 133 / 184mm, centre tag.
EMC environment	A
Replacement fuse	PFF500

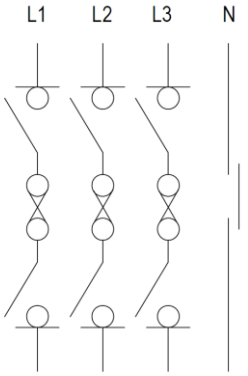
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Dimensions



Switching



Additional information

Usage	Intended for use by skilled persons or instructed persons.
Physical	Ambient operating temperature -5 to 40 °C (Not exceeding average of 35 °C in any 24-hour period). Maximum altitude 2000m.
DC rating	Up to 600V. Refer to technical department.
Installation	Service conditions: Wiring of this product must comply with current IEE regulations. Units are intended for indoor use and dry conditions and **NOT** where high levels of humidity and temperature are experienced. Note: IP rating of enclosures can be compromised if correct use of glands is not followed when installing unit.
Accessories	None

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