

Surge protective devices

**Surge protective device type II 20-40kA 1P 275V AC**



**General**

Location of use	Sub-distribution board
Standard	IEC 61643-11 BS EN 61643-11
Test classification IEC	Class II
Test classification EN	Type 2
Number of modular width	1
Number of poles	1P
IEC power supply system	TN-S, TN-C, IT
Mode of protection	L-PE, N-PE (only TN-S), L-PEN, L-N
Width	18 mm
Height	90 mm
Depth	69 mm
Weight	108 g
Barcode (EAN-13)	5060690132905

**Electrical**

Norminal voltage $U_n$	240 V AC
Max. continuous operating voltage $U_C$	275 V AC
Varistor voltage $V_{1mA}$	430 V $\pm$ 10%
Norminal discharge current $I_n$ (8/20 $\mu$ s)	20 kA
Norminal discharge current $I_{max}$ ( 8/20 $\mu$ s)	40 kA
Voltage protection level $U_p$	1.3 kV
Response time $t_A$	< 25 ns
Follow current interrupting rating $I_{fi}$	No follow current
Temporary overvoltage TOV	335V 5s withstand
Max. backup fuse	125 A gG

**Mechanical**

Operating status / Fault indication	Transparent / Red
Pluggable cartridge	yes

Type of pluggable cartridge	DS2502
<b>Remote indication contact</b>	No
• Tightening torque	-
• Switching capacity AC	-
• Switching capacity DC	-
• Switching capacity DC	-
• Switching capacity DC	-
• Cross-section (max.)	-

## Mounting & Environmental

Mounting type	DIN rail 35 mm
Operating temperature range $T_u$	-40 °C ~ +80 °C
Altitude	2000 meter
Place of installation	indoor installation
Degree of protection	IP20

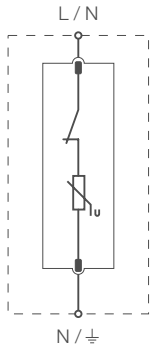
## Connection

Cable length to earthing bar	0.5 m
Cable cross-section (Terminal L)	
• Min.	4 mm <sup>2</sup>
• Max.	25 mm <sup>2</sup>
Cable cross-section (Terminal PE)	
• Min.	4 mm <sup>2</sup>
• Max.	25 mm <sup>2</sup>
Tightening torque	2.0 Nm

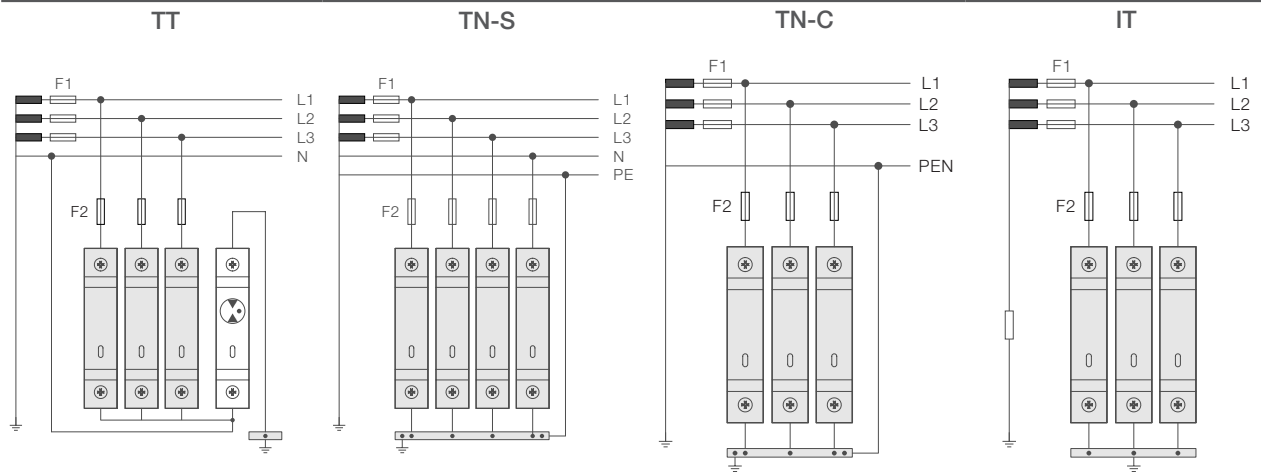
## Approval

UKCA Conformity	yes
CE Conformity	yes
WEEE Symbol	yes

## Internal configuration



## Wiring examples



## Outline dimensions

Unit: mm

