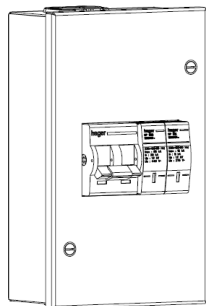
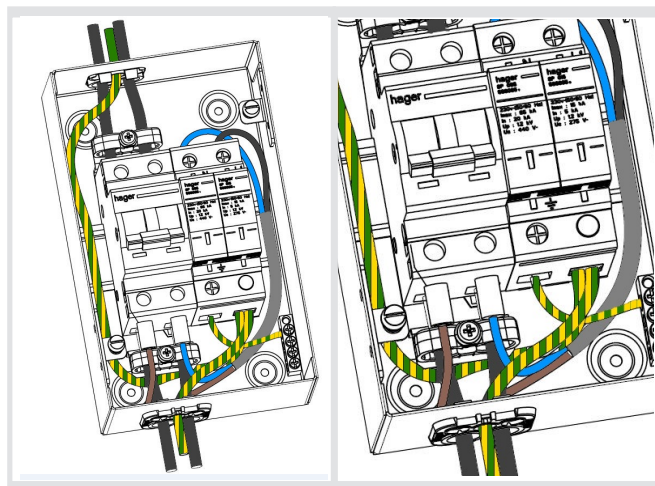
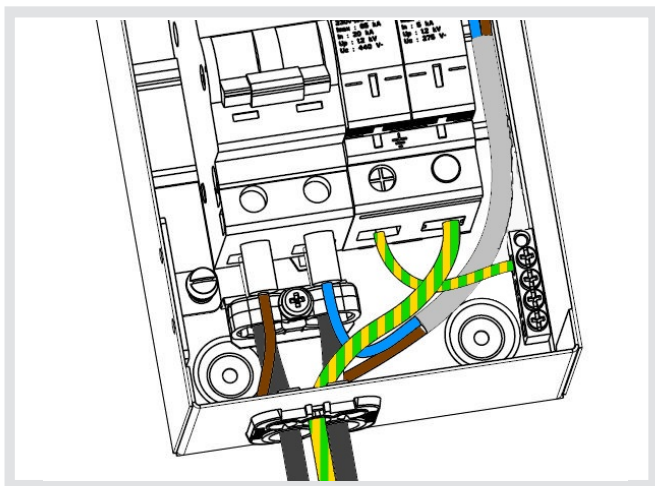
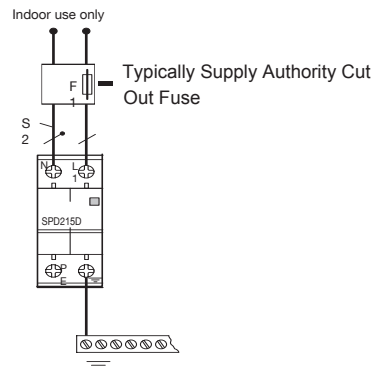


TT/ TN-S/ TNC-S



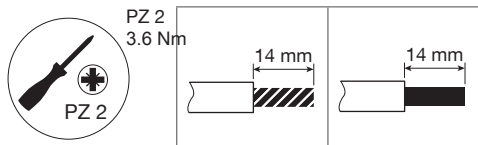
VA4T2SDSPD
VA4T2SDSPDD
User instructions

100A Switch with Surge Protection

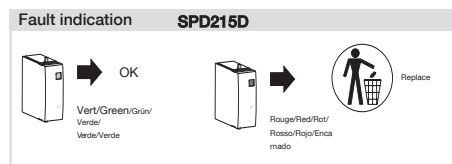
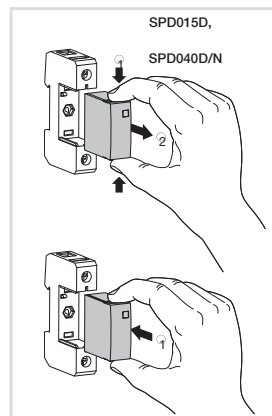


Remove the desired knockouts and fit the meter tail cable protector plates on the load and/or supply side of the enclosure. Bring the (meter tails) into the bottom of the enclosure including the 16mm Earth cable, terminate the L&N tails into the main switch and torque to 3.6Nm.

Bring the (meter tails) into the top of the enclosure including the 16mm Earth cable, terminate the L&N tails into the main switch and torque to 3.6Nm, terminate both earth cables into the Surge protection Earth connection point and torque to 3.6Nm. **(Ensure Cable clamps are clamping the meter tails top and bottom)**



| | |
|-------------------------------|---|
| EN 61 643-11 IEC 61 643-11 | Type 2 Class II |
| U_n | 230/400 V (50/60 Hz) Tolerance: 0V ... U_c |
| U_c (L-N) | 275 V (50/6) |
| U_c (N-PE) | 255 V (50/60 Hz) |
| I_{fi} (N-PE) | 100 A _{rms} |
| \Rightarrow F1 max | 125 A gG |
| Humidity | 5%...95% |
| θ °C | -40/+60 °C |
| Ports | 1 |
| IP code | 20 (built in) |
| LxWxH | 86,5mm x 36 mm x 60 m |
| SPD215D | |



| | I_n (8/20 μ s) | I_{max} (8/20 μ s) | U_p | U_c | F1 max \Rightarrow | I_{pe} | I_{scrr} | |
|---------|----------------------|--------------------------|-------------|------------------|----------------------|-------------|----------------------|--------------------|
| SPD215D | 5 kA | 15 kA | ≤ 1 kV | 275 V (50/60 Hz) | 125 A gG | $< 5 \mu$ A | 10 kA _{rms} | SPD015D SPD040N |

Assembly Interface characteristics

Rated & operational voltage (U_n / U_e)

230V a.c. 50Hz

Rated insulation voltage (U_i)

320V a.c. 50Hz

Rated impulse withstand voltage (U_{imp})

4kV

Rated current of the Assembly (I_{nA})

100A

Rated conditional short-circuit current of the ASSEMBLY (I_{cc})

Annex ZB: 16 kA rms at 250V, power factor 0.6 with equipment and arrangements specified in Hager's technical documentation / catalogue.

Protection against electric shock

Shall be installed in an electrical system conforming to the current edition of IEC 60364 / BS 7671

Rated frequency (f_n) 50 Hz

Pollution degree

2

Types of system earthing for which the ASSEMBLY is designed

TNC-S, TN-S when installed in an electrical installation complying with BS 7671

Hager recommends for TT systems a 100A type S time delayed RCCB or a main switch with RCBO protection only on all outgoing circuits.

Indoor use only

Stationary ASSEMBLY

Degree of protection

IP2XC with Door Open / closed and full compliment of outgoing devices and or blanks fitted. Note: Where cables are installed through top wall of enclosure, gaps of IP4X to be maintained.

Intended use

Intended for use in domestic (residential) or similar premises.

Electromagnetic compatibility (EMC) classification

EMC Environment B

External design

Wall-mounted, surface type, enclosed assembly.

Mechanical impact protection IK 05

The type of construction Fixed parts

Type A DBO (Distribution board for use by ordinary persons)