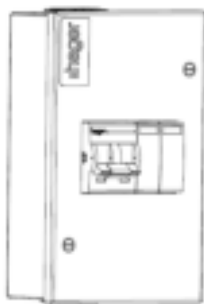
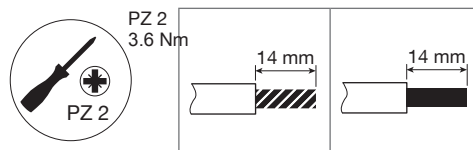


ZD0865.v2

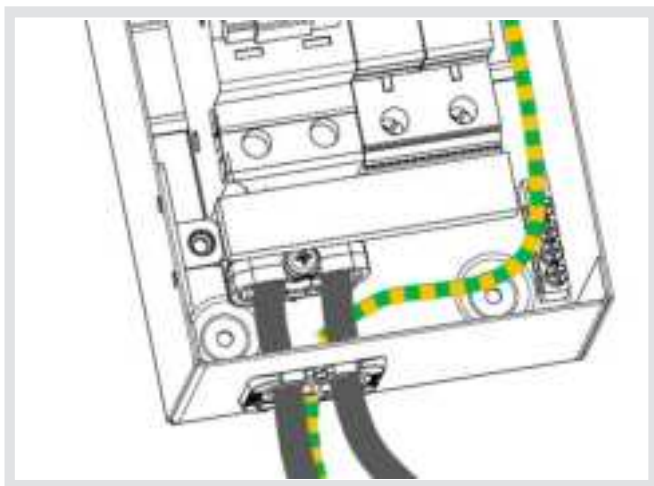


**VA4T2SDSPD**  
**VA4T2SDSPDD**  
User instructions

TT/ TN-S/ TNC-S



**100A Switch with Type 2 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.

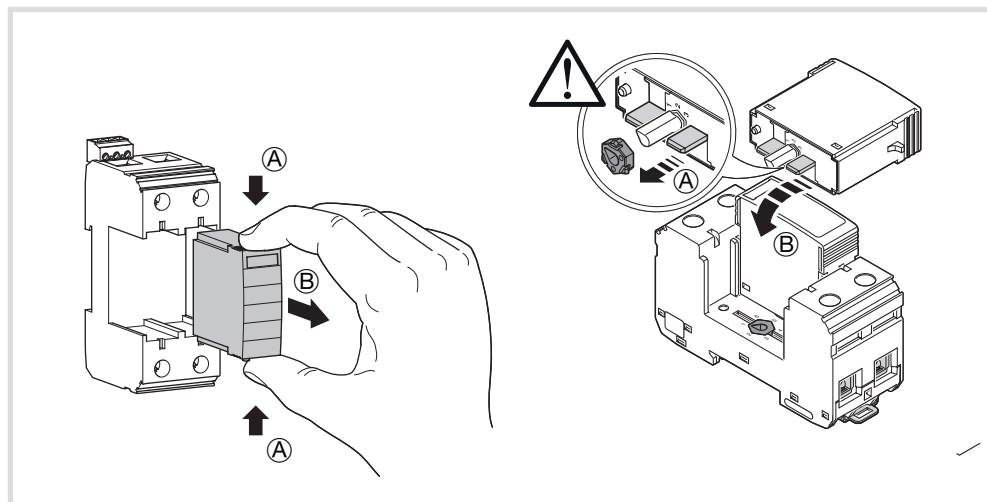


Bring the (meter tails) into the top of the enclosure including the 16mm Earth cable, terminate the L&N tails into the main switch and torque to 3.6Nm, terminate both earth cables into the Surge protection Earth connection point and torque to 3.6Nm. **(Ensure Cable clamps are clamping the meter tails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

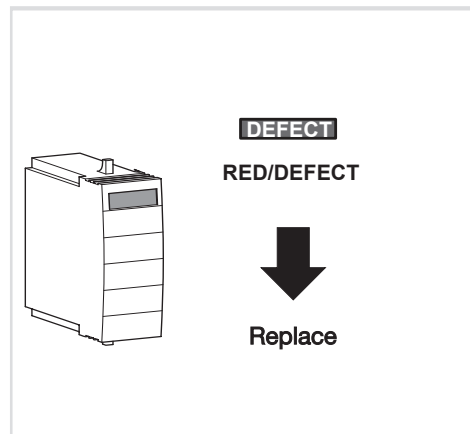
**Key Specifications**

- Power Supply System -TN / TT
- Requirement class -SPD class II acc. to IEC 61643-11; SPD Type 2 acc. to EN 61643-11
- Max. continuous operating voltage  $U_c$  -L-N: 275 V a.c. / N-PE: 260 V a.c.
- Nominal voltage  $U_n$  -230/400 V AC 50/60 Hz
- Nominal discharge current  $I_n$  (8/20) microseconds 20 kA
- Max. discharge current  $I_{max}$  (8/20) microseconds 40 kA

**SPB015, SPB015N**



**Fault indication**



ZD0865

## General Data

|  |                                    |
|--|------------------------------------|
| Standards/regulations  | IEC 61643-11 2011 EN 61643-11 2012 |
| IEC test classification  | T2                                 |
| EN type  | T2                                 |
| Mode of protection   | L-N<br>L-PE<br>N-PE                |
| Mounting type  | DIN rail: 35 mm                    |
| Degree of pollution  | 2                                  |
| Overvoltage category   | III                                |
| Degree of protection   | IP20                               |
| Ambient temperature (operation)  | -40 °C ... 80 °C                   |
| Ambient temperature (storage/transport) Permissible humidity (operation) | -40 °C ... 80 °C                   |

## Electrical Data

|  |                          |
|--|--------------------------|
| Nominal voltage $U_n$                              | 230 / 400 V AC (TN / TT) |
| Nominal frequency $f_n$                            | 50 Hz (60 Hz)            |
| Maximum continuous operating voltage $U_c$ (L-N)   | 275 V AC                 |
| Maximum continuous operating voltage $U_c$ (N-PE)  | 260 V AC                 |
| Residual current $I_{pE}$                          | $\leq 5 \mu A$           |
| Standby power consumption $P_c$                    | $\leq 360 \text{ mVA}$   |
| Nominal discharge current $I_n$ (8/20) $\mu s$     | 20 kA                    |
| Maximum discharge current $I_{max}$ (8/20) $\mu s$ | 40 kA                    |
| Follow current interrupt rating $I_{fl}$ (N-PE)    | 100A                     |
| Short-circuit current rating $I_{scR}$             | 50kA                     |
| Voltage protection level $U_p$ (L-N)               | $\leq 1.5 \text{ kV}$    |
| Voltage protection level $U_p$ (L-PE)              | $\leq 1.5 \text{ kV}$    |
| Max. backup fuse                                   | 125 A (gG)               |