

# FLP-ZP2-12,5-VBH/3

## SPD - for low voltage / SPD type 1 / 40 mm busbar system - T1+T2 (12,5 kA)

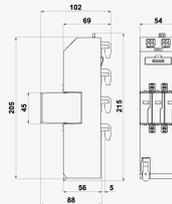
Combination of lightning current and surge arrester for systems TN-C

pluggable module, visual fault signalling, module locking, terminals for supply, onto 40 mm busbar system

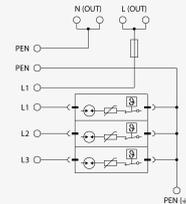
- high performance lightning current arrester, installation at the boundary of zones LPZ 0 and LPZ 1 or higher, mainly to main distribution boards upstream power meters
- for protection against impact of direct or indirect lightning strikes in wide range of applications – houses, office or industrial buildings, resp. to sub-distribution boards in large buildings
- protected supply of power meters assembly



### Product dimensions



### Basic circuit diagram



Parameter name	Parameter value
Type of SPD	T1,T2,T3
Mounting	40 mm busbar system
Nominal voltage	$U_n$ 230.00 V AC
Maximum operating voltage	$U_c$ 255.00 V AC
Nominal load current - auxiliary output terminals L, N	6.3 A
Type of network	TN-C
Maximum overcurrent protection	160 A gL/gG
Short-circuit current rating	$I_{SCCR}$ 25.0 kA
Total discharge current (10/350 $\mu$ s)	$I_{Total(10/350)}$ 37.50 kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$ 12.50 kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$ 20.00 kA
Test voltage	$U_{oc}$ 10.0 kV
Total discharge current (8/20 $\mu$ s)	$I_{Total(8/20)}$ 100.00 kA
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$ 60.00 kA
Voltage protection level	$U_p$ 1.50 kV
Response time	$t_a$ 100 ns

TOV 5 s L-N	<b>335 V</b>
TOV characteristic (TOV 5 s)	<b>withstand</b>
TOV 120 min L-N	<b>440 V</b>
TOV characteristic (120 min)	<b>withstand</b>
Cross-section of connected conductors solid (min)	<b>1.00 mm<sup>2</sup></b>
Cross-section of connected conductors solid (max)	<b>16.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (min)	<b>1.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max)	<b>16.00 mm<sup>2</sup></b>
Cross-section of connected conductors solid (max) - aux. out terminals L, N	<b>4.00 mm<sup>2</sup></b>
Cross-section of connected conductors stranded (max) - aux. out terminals L, N	<b>2.50 mm<sup>2</sup></b>
Fault indication	<b>red indication field</b>
Degree of protection	<b>IP 20</b>
Range of ambient temperatures (min/max)	<b>-40 / 80 °C</b>
Humidity	<b>5 - 95 %</b>
According to standard	<b>EN 61643-11:2012, IEC 61643-11:2011</b>
ETIM Class	<b>EC000381</b>
Plug module	<b>FLP-ZP-12,5-VBH/0</b>
Customs tariff number	<b>85363090</b>
EAN	<b>8595090570301</b>
Order number	<b>A07030</b>