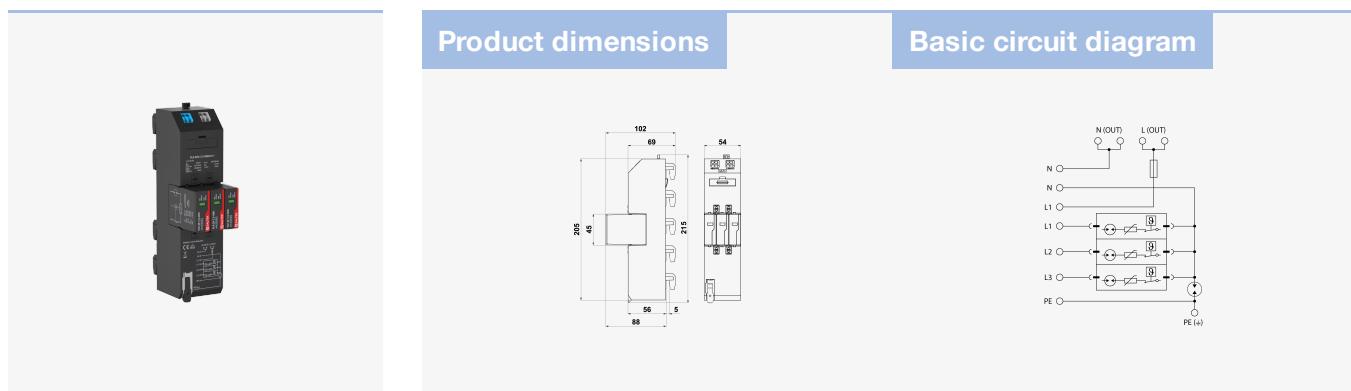


# FLP-ZP2-7,5-VBH/3+1

## SPD - for low voltage / SPD type 1 / 40 mm busbar system - T1+T2 (7,5 kA)

Combination of lightning current and surge arrester for systems TN and TT  
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



Parameter name	Parameter value	
Type of SPD	<b>T1,T2,T3</b>	
Mounting	<b>40 mm busbar system</b>	
Nominal voltage	<b><math>U_n</math></b>	<b>230 V AC</b>
Maximum operating voltage L-N	<b><math>U_c</math></b>	<b>255.00 V AC</b>
Maximum operating voltage N-PE	<b><math>U_c</math></b>	<b>255.00 V AC</b>
Nominal load current - auxiliary output terminals L, N	<b>6.3 A</b>	
Type of network	<b>TT TN-S</b>	
Maximum overcurrent protection	<b>160 A gL/gG</b>	
Short-circuit current rating	<b><math>I_{SCCR}</math></b>	<b>25.0 kA</b>
Total discharge current (10/350 $\mu$ s)	<b><math>I_{Total(10/350)}</math></b>	<b>30.00 kA</b>
Lightning impulse current (10/350 $\mu$ s) L-N	<b><math>I_{imp}</math></b>	<b>7.50 kA</b>
Lightning impulse current (10/350 $\mu$ s) N-PE	<b><math>I_{imp}</math></b>	<b>50.00 kA</b>
Nominal discharge current (8/20 $\mu$ s) L-N	<b><math>I_n</math></b>	<b>20.00 kA</b>

Nominal discharge current (8/20 µs) N-PE	$I_n$	50.00 kA
Test voltage	$U_{oc}$	10.0 kV
Total discharge current (8/20 µs)	$I_{Total(8/20)}$	100.00 kA
Maximum discharge current (8/20 µs) L-N	$I_{max}$	60.00 kA
Maximum discharge current (8/20 µs) N-PE	$I_{max}$	100.00 kA
Voltage protection level mode L-N	$U_p$	1.50 kV
Voltage protection level mode L-PE	$U_p$	1.50 kV
Voltage protection level mode N-PE	$U_p$	1.50 kV
Response time L-N	$t_a$	100 ns
Response time N-PE	$t_a$	100 ns
TOV 5 s L-N		335 V
TOV 5 s L-PE		440 V
TOV characteristic (TOV 5 s)		withstand
TOV 120 min L-N		440 V
TOV 120 min L-PE		335 V
TOV characteristic (120 min)		withstand
TOV 200 ms N-PE		1 200 V
TOV characteristic (TOV 200 ms)		withstand
Cross-section of connected conductors solid (min)		1.00 mm <sup>2</sup>
Cross-section of connected conductors solid (max)		16.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)		1.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)		16.00 mm <sup>2</sup>
Cross-section of connected conductors solid (max) - aux. out terminals L, N		4.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max) - aux. out terminals L, N		2.50 mm <sup>2</sup>
Fault indication		red indication field
Degree of protection		IP 20
Range of ambient temperatures (min/max)		-40 / 80 °C
Humidity		5 - 95 %
According to standard		EN 61643-11:2012, IEC 61643-11:2011
ETIM Class		EC000381

Plug module	FLP-ZP-7,5-VBH/0
Customs tariff number	85363090
EAN	8595090570288
Order number	A07028

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