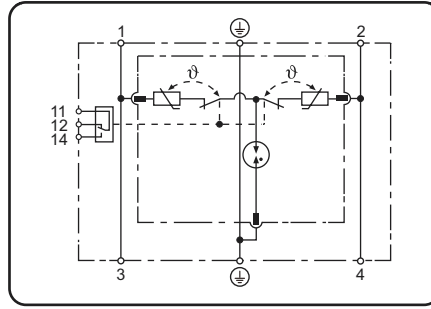


Dimension drawing TLP-XXX/2(S)



Basic circuit diagram TLP-XXX/2(S)



Two-pole surge arrester consisting of a base part and plug-in protection module; with floating remote signalling contact.

- Two-pole surge arrester consisting of a base part and plug-in protection module
- High discharge capacity due to heavy-duty zinc oxide varistor / spark gap combination
- Energy coordination with other arresters of the LSP product family

Technical Data

TLP-XXX/2(S)	30	60	75	150	255
IEC Electrical					
SPD according to EN 61643-11 / IEC 61643-11	type 3 / class III				
Nominal a.c. voltage (U_N)	24 V (50 / 60 Hz)	48 V (50 / 60 Hz)	60 V (50 / 60 Hz)	120 V (50 / 60 Hz)	230 V (50 / 60 Hz)
Max. continuous operating a.c. voltage (U_C)	30 V (50 / 60 Hz)	60 V (50 / 60 Hz)	75 V (50 / 60 Hz)	150 V (50 / 60 Hz)	255 V (50 / 60 Hz)
Max. continuous operating d.c. voltage (U_C)	30 V	60 V	75 V	150 V	255 V
Nominal load current a.c. (I_N)	25 A				
Nominal discharge current (8/20 μ s) (I_n)	1 kA	1 kA	2 kA	2 kA	3 kA
Total discharge current (8/20 μ s) [L+N-PE] (I_{total})	2 kA	2 kA	4 kA	4 kA	5 kA
Combination wave (U_{OC})	2 kV	2 kV	4 kV	4 kV	6 kV
Combination wave [L+N-PE] ($U_{OC total}$)	4 kV	4 kV	8 kV	8 kV	10 kV
Voltage protection level [L-N] (U_P)	≤ 180 V	≤ 350 V	≤ 400 V	≤ 640 V	≤ 1250 V
Voltage protection level [L/N-PE] (U_P)	≤ 630 V	≤ 730 V	≤ 730 V	≤ 800 V	≤ 1500 V
Response time [L-N] (t_A)	≤ 25 ns				
Response time [L/N-PE] (t_A)	≤ 100 ns				
Max. mains-side overcurrent protection	25 A gL/gG				
Short-circuit withstand capability for mains-side overcurrent protection with 25 A gL/gG (I_{SCCR})	6 kA _{rms}				
Temporary overvoltage (TOV) [L-N] U_T	—	—	—	—	335 V / 5 sec.
Temporary overvoltage (TOV) [L/N-PE] (I) U_T	—	—	—	—	440 V / 5 sec.
Temporary overvoltage (TOV) [L+N-PE] (II) U_T	—	—	—	—	1200 V + U_{REF} / 200 ms
Operating temperature range (T_U)	-40 °C ... +80 °C				
Operating state / fault indication	green ok / red defect				
Number of ports	1				
Cross-sectional area (min.)	0.5 mm ² solid / flexible				
Cross-sectional area (max.)	4 mm ² solid / 2.5 mm ² flexible				
For mounting on	35 mm DIN rails acc. to EN 60715				
Enclosure material	thermoplastic, UL 94 V-0				
Place of installation	indoor installation				
Degree of protection	IP 20				
Capacity	1 module(s), DIN 43880				
Approvals	CE				
Remote contact (RC)	optional				
a.c. switching capacity	250 V / 0.5 A				
d.c. switching capacity	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A				
Cross-sectional area for remote signalling terminals	max. 1.5 mm ² solid / flexible				

Order Information

Ordering Code	30	60	75	150	255
TLP-XXX/2	0103021	0106021	0207521	0215021	0325521
TLP-XXX/2S (with remote contacts)	0103022	0106022	0207522	0215022	0325522
TLP-XXX/0 (spare modules)	0103020	0106020	0207520	0215020	0325520