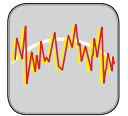
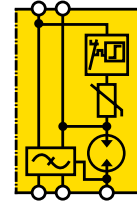




Surge Protective Devices: ZOTUPFILTER



ILF 2P ...

ILF 2P is a multimode SPD against indirect lightning effects with integrated interference filter for high frequency disturbances, typically installed in single phase TN-systems close to equipment or machinery, particularly in industrial automation environment, with the following features and benefits:

- **Impulse test classification: Test Class III** according to **IEC 61643-11 Ed.1 (2011-03)** and **Type 3** according to **EN 61643-11(2012-10)**;
- Protects electronic equipment (PLC or computers, etc.) from overvoltages due to indirect lightning effects and from other interferences;
- In case of an SPD reaching its end of life the protection is disconnected without interrupting the downstream supply. This is indicated locally by an optical indicator and via a remote signal contact;
- It is suitable for installation at LPZ boundaries 2 -3 and higher, in accordance with the lightning protection zones concept and in coordination with other SPDs.

Model ILF 2P ...

CODE		40	63	80
		219 330	219 350	219 380
Nominal ac system Voltage	U_N	230 V - 50 Hz		
Maximum Continuous Operating Voltage	U_c	275 V ac		
Rated load current	I_L	40 A	63 A	80 A
Test Class according to IEC 61643-11 Ed.1 (2011-03)		III		
Type according to EN 61643-11 (2012-10)		T3		
Combination wave impulse (L/N-PE)	U_{oc}	6 kV / 3 kA		
Voltage protection level (L/N-PE)	U_p	≤ 1,5 kV		
Response time (L-N)	t_a	≤ 25 ns		
Response time (N-PE)	t_a	≤ 100 ns		
End of Life (L-N)		OCFM (open circuit failure mode)		
Behaviour in case of Temporary OverVoltage (TOV):	L/N-PE U_T	335 V / 5 s, withstand (W); 440 V / 120 min, safe (S)		
Asymmetric attenuation		range 0,4 - 10 MHz: ≥ 50 dB / at 3 MHz: ≥ 80 dB		
Filter components	C_x	150 nF	220 nF	220 nF
	C_r	22 nF	22 nF	22 nF
	L	2,2 mH	2,2 mH	1,4 mH
Power dissipation		≤ 4 W	≤ 9 W	≤ 12 W
Max. back-up protection with fuse, if not already provided in the upstream installation		40 A gG	63 A gG	80 A gG
Operating temperature range		- 40 ... + 55 °C		
Terminal - Conductor size		10 mm ²	10 mm ²	25 mm ²
Mounting		vertical on a panel / wall		
Enclosure material		metallic		
Pollution Degree / Degree of protection	PD / IP	2 / 10		
Remote signal contact		NC		
Terminal - Conductor size for remote signal contact		max. 1,5 mm ² flexible		
Switching capacity remote signal contact		ac: 250 V / 0,5 A - dc: 125 V / 0,2 A; 75 V / 0,5 A		
Approximate weight		720 g	1450 g	1520 g
Dimensions		l 250 x h 150 x d 65 mm		
GTIN (EAN)		8054890320900	8054890320931	8054890320962

TECHNICAL DATA

Upon request the ILF 2P type SPD can be supplied with other impulse current and voltage ratings.



Asymmetric attenuation characteristics

