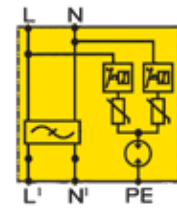




Surge Protective Devices: ZOTUPFILTER



ILF 2P ... DIN

ILF 2P ... DIN is a multimode SPD against indirect lightning effects with integrated interference filter for high frequency disturbances, typically installed in single phase TN and TT 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 two colours status 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;
- Upon request, ILF 2P ... DIN SPDs type can be supplied with other voltages and currents rating.

Model ILF 2P ...

		10 DIN	16 DIN	25 DIN
CODE		209 310	209 320	209 325
Nominal ac system Voltage	U_n	230 V - 50 Hz		
Maximum Continuous Operating Voltage	U_c	275 V ac		
Rated load current	I_L	10 A	16 A	25 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	U_p	≤ 800 V (L-N); $\leq 1,5$ kV (L/N-PE)		
Response time (L-N)	t_a	≤ 25 ns		
Response time (L/N-PE)	t_a	≤ 100 ns		
End of life		OCFM (open circuit failure mode)		
Behaviour in case of Temporary OverVoltage (TOV):	L-N N-PE	U_T	335 V / 5 s, withstand (W); 440 V / 120 min, safe (S)	
		U_T	1200 V / 200 ms, withstand (W)	
Asymmetric attenuation		range 0,4 - 20 MHz: ≥ 50 dB / at 4 MHz: ≥ 80 dB		
Filter components	C_x C_Y L	150 nF 22 nF 36 μ H	220 nF 22 nF 19 μ H	220 nF 22 nF 7 μ H
Power dissipation		$\leq 2,5$ W	$\leq 3,5$ W	≤ 4 W
Max. back-up protection with fuse, if not already provided in the upstream installation		10 A gG	16 A gG	25 A gG
Status indicator		2 colours: transparent - OK / red - to replace		
Operating temperature range		- 40 ... + 55 °C		
Terminal - Conductor size		2,5 - 4 mm ²	2,5 - 4 mm ²	6-16 mm ²
Mounting		indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715		
Enclosure material		PA6 / V-0 Polyamide according to UL 94		
Pollution Degree / Degree of Protection	PD / IP	2 / 20 (built-in)		
Approximate weight		170 g	190 g	220 g
Dimensions: Width		52,5 mm (3 modules)	52,5 mm (3 modules)	70 mm (4 modules)
GTIN (EAN)		8054890320344	8054890320351	8054890320368

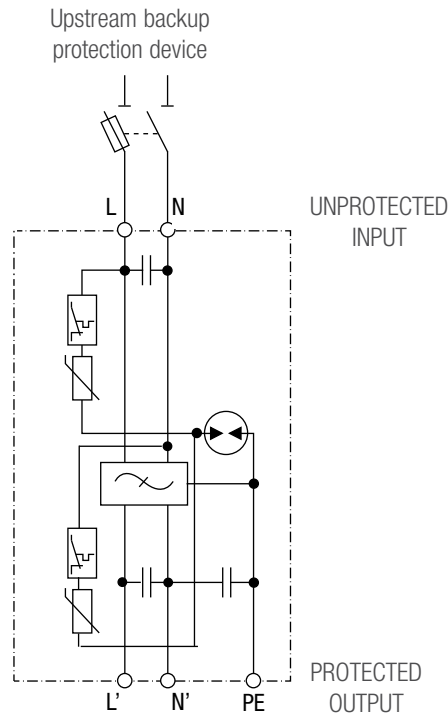
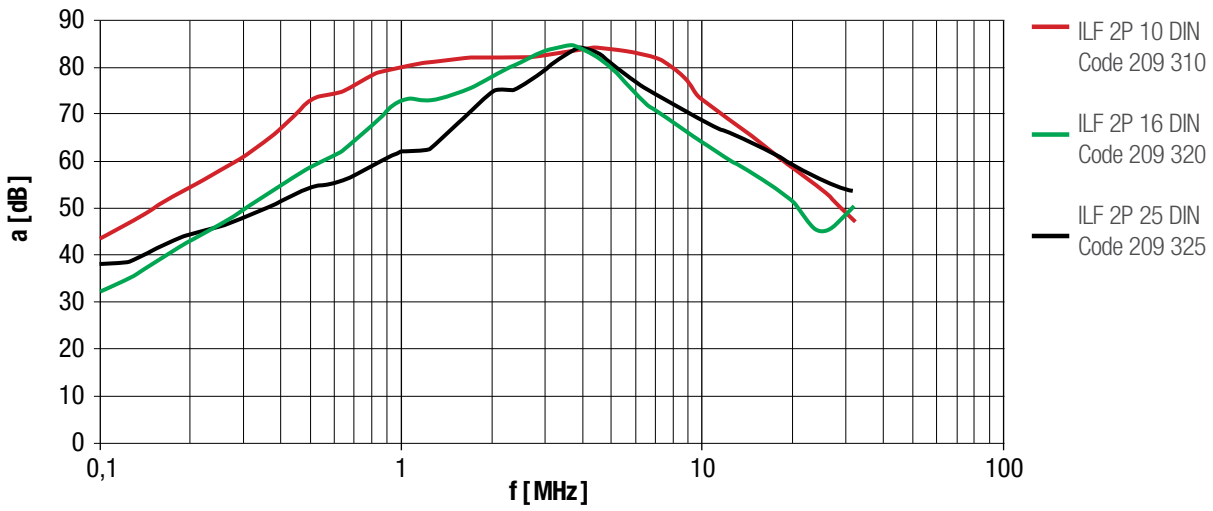
TECHNICAL DATA

Model ILF 2P ... with remote signal contact

		10 t DIN	16 t DIN	25 t DIN
CODE		219 310	219 320	219 325
Remote signal contact		potential-free changeover contact		
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		
GTIN (EAN)		8054890322218	8054890322225	8054890322232



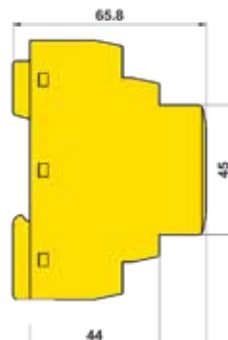
Asymmetric attenuation characteristics



ILF 2P 10 DIN
Code 209 310



ILF 2P 25 DIN
Code 209 325



ILF 2P 16 DIN
Code 209 320