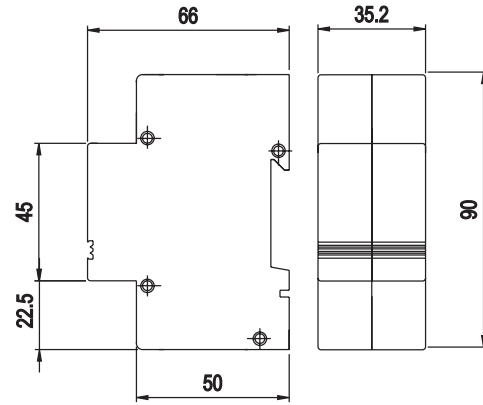


P- k16/\* DC

P- k16/\*AC

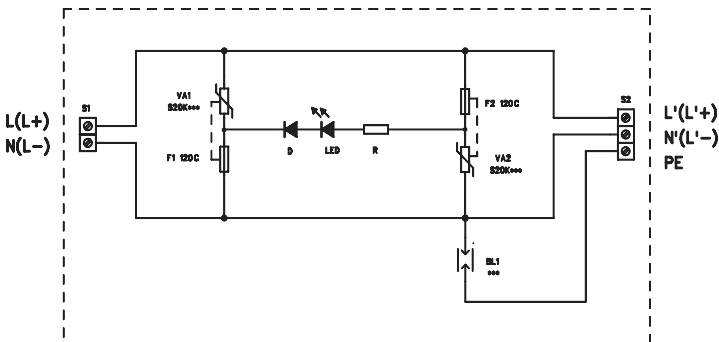


**P- k16**

Series of P-k16 is designed for protection of electronic appliances in L.V. supply systems against impulse surge. They are constructed for mounting on Din rail 36mm for nominal currents 16A according to IEC 61643-1 and EN 61643-11 standards (arrester class III - 3rd stage protection). Right function of varistors is signaled by green light on the front panel of equipment.

Type		P-k16/6DC	P-k16/12DC	P-k16/24DC	P-k16/48DC	P-k16/110DC	P-k16/110AC	P-k16/230AC
Test class acc. to IEC/EN					III/T3			
Use for net				DC				AC
Nominal voltage	$U_N$	6V=	12V=	24V=	48V=	110V=	110V/ 50Hz	230V/ 50Hz
Max. continuous operating voltage	$U_C$	7,2V=	20V=	36V=	80V=	170V=	132V/ 50Hz	275V/ 50Hz
Nominal current	$I_N$				16A			
Maximum discharge current (8/20)	$I_{max}$		4kA		13kA		16kA	
Combined impulse	$U_{oc}$			6kV (L+ / L-, PE) 10kV (L- / PE)			6kV (L / N, PE) 10kV (N / PE)	
Voltage protection level at $U_{oc}$	$U_p$	<900V (L+ / L-)	<120V (L+ / L-)	<160V (L+ / L-) <660V (L / PE)	<230V (L+ / L-)	<440V (L+ / L-) <800V (L / PE)	<1000V (L / N) <1000V (L, N / PE)	
Response time	$t_A$			<25ns (L+ / L-) <100ns (L, N / PE)			<25ns (L / N) <100ns (L, N / PE)	
Recommended backup fuse					16A			
Temporary overvoltage TOV	$U_T$							335V/ 5s (L / N) 1200V+ $U_C$ / 200ms (L / PE)
Recommend cross-section of connected conductors					max. 4mm <sup>2</sup> Cu			
Protection type					IP20			
Housing material					Polyamid 6FRC2			
Mounting on					DIN rail 35mm			
Lifetime					min. 100.000h			
Operating temperature range	$\theta$				-40 to +80°C			
Weight	m				90g			
Article number		30 021	30 001	30 002	30 014	30 012	30 015	30 008

Basic circuit diagram P- k16



Recommended connection of P- k16

