

# DA-275-DF16

## SPD - for low voltage / SPD type 3 / With RFI filter

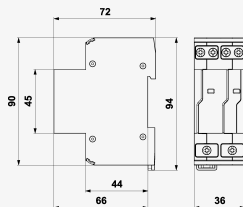
Surge protection with RFI filter

visual fault signalling

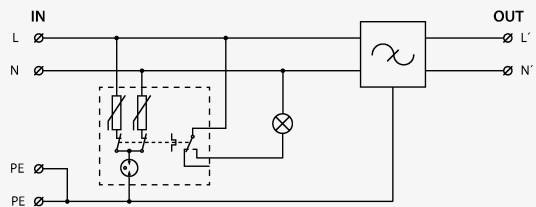
- surge protection with integrated RFI filter
- installation to LV installations, close to protected equipment
- for protection of power lines of I&C, electronic security and fire detection systems, etc. against impact of surge voltage and RF disturbance



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	T3
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 230 V AC
Maximum operating voltage	$U_c$ 275.00 V AC
Nominal load current	$I_L$ 16.000 A
Type of network	TN
Maximum overcurrent protection	16 A gL/gG or C 16 A
Short-circuit current rating	$I_{SCCR}$ 6.0 kA
Filter attenuation at 1MHz (50 $\Omega$ //50 $\Omega$ ) unsymmetrical	30 dB
Nominal discharge current (8/20 $\mu$ s) L-N	$I_n$ 3.00 kA
Nominal discharge current (8/20 $\mu$ s) L+N-PE	$I_n$ 5.00 kA
Nominal discharge current (8/20 $\mu$ s) N-PE	$I_n$ 3.00 kA
Test voltage L-N	$U_{oc}$ 6.0 kV
Test voltage L+N-PE	$U_{oc}$ 10.0 kV
Test voltage N-PE	$U_{oc}$ 6.0 kV
Voltage protection level mode L-N	$U_p$ 1.20 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	$t_a$	25 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 L-PE		1 200 V
TOV 200 ms N-PE		1 455 V
TOV characteristic (TOV 200 ms)		safe failure
Cross-section of connected conductors solid (max)		6.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)		6.00 mm <sup>2</sup>
Cross-section of remote indication conductors solid (max)		1.5 mm <sup>2</sup>
Cross-section of remote indication conductors stranded (max)		1.5 mm <sup>2</sup>
Fault indication		red indicator
Degree of protection		IP 20
Range of ambient temperatures (min/max)		-40 / 80 °C
According to standard		EN 61643-11:2012, IEC 61643-11:2011
ETIM Class		EC000942
Customs tariff number		85363010
EAN		8595090557210
Order number		A05721