

# DA-275 V/3S+1

## SPD - for low voltage / SPD type 3 / Basic

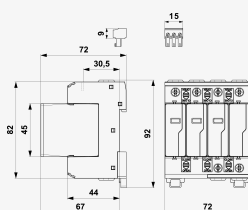
Three-phase surge protection connected in the 3+1 mode for TN and TT systems

pluggable module, visual fault signalling, module locking, remote fault signalling

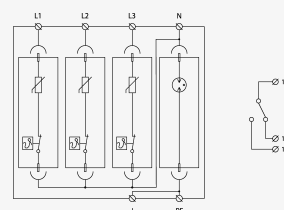
- combination of varistor SPD and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



Product dimensions



Basic circuit diagram



Parameter name	Parameter value
Type of SPD	T3
Mounting	DIN rail 35 mm
Nominal voltage	$U_n$ 230.00 V AC
Maximum operating voltage L-N	$U_c$ 275.00 V AC
Maximum operating voltage N-PE	$U_c$ 255.00 V AC
Type of network	TT
Maximum overcurrent protection	63 A gL/gG
Short-circuit current rating	$I_{SCCR}$ 25.0 kA
Nominal discharge current (8/20 $\mu$ s) L-N	$I_n$ 5.00 kA
Nominal discharge current (8/20 $\mu$ s) N-PE	$I_n$ 10.00 kA
Test voltage L-N	$U_{oc}$ 10.0 kV
Test voltage N-PE	$U_{oc}$ 20.0 kV
Voltage protection level mode L-N	$U_p$ 1.00 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 characteristic (TOV 5 s)	withstand
TOV 120 min L-N	440 V
TOV characteristic (120 min)	safe failure
TOV 200 ms L-PE	1 455 V
TOV 200 ms N-PE	1 200 V
TOV characteristic (TOV 200 ms)	safe failure
Cross-section of connected conductors solid (min)	1.00 mm <sup>2</sup>
Cross-section of connected conductors solid (max)	35.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (min)	1.00 mm <sup>2</sup>
Cross-section of connected conductors stranded (max)	25.00 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 L-N	red indication field
Fault indication N-PE	no
Remote indication	potential-free change-over contact
Remote indication contacts	250V/0,5A AC,250V/0,1A DC
Degree of protection	IP 20
Range of ambient temperatures (min/max)	-40 / 80 °C
Humidity	5 - 95 %
According to standard	EN 61643-11:2012, IEC 61643-11:2011
ETIM Class	EC000942
Customs tariff number	85363030
EAN	8595090518495
Order number	A01849