

# DA-275 V/3+1

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

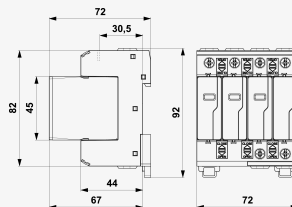
Three-phase surge protection connected in the 3+1 mode for TN and TT systems

pluggable module, visual fault signalling, module locking

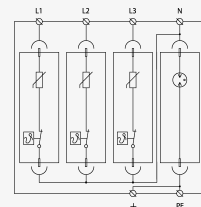
- combination of varistor SPD and encapsulated spark gap, connected in the 3+1 mode
- installation to LV installations, close to protected equipment
- for protection of the equipments against impact of induced overvoltages during a lightning strike or switching overvoltages



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	$t_a$	25 ns
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>
Fault indication L-N		red indication field
Fault indication N-PE		no
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		8595090518488
Order number		A01848