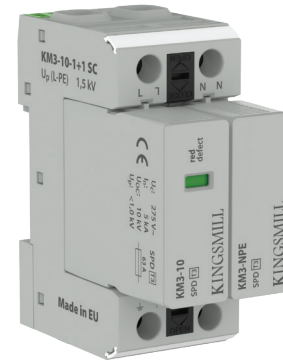


PART NO: KM3-10-1+1 SC

TYPE: Type 3 surge arrester

DESCRIPTION: Combination of varistor SPD and encapsulated spark gap connected in the 1 + 1 mode. Use in TN-C, TN-S, TN-C-S and TT systems on the boundary of LPZ2 and LPZ3. Locate as close as possible to the equipment to be protected. Suitable for houses, commercial and industrial buildings.

RATING: 10kA SINGLE PHASE TN-C / TN-S / TN-C-S / TT



LPL I + II and LPL III + IV

SYSTEM: SINGLE PHASE TN-C, TN-S, TN-C-S AND TT

LOCATION: BOUNDARY of LPZ2 & LPZ3 (if the electronic equipment is >5m away from SDB)

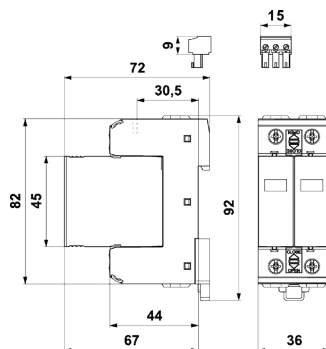
Standards

BS:EN 62305 (lightning protection) and EN 61643-11 (surge protection devices).

Electrical specification

Order number	KM3-10-1+1 SC	
System	Single phase TN-C, TN-S, TN-C-S, TT / 2 pole	
Nominal voltage	U_n	230V AC
Nominal voltage	U_o	230V/400V AC \pm 10%
Maximum operating voltage L-N	U_c	275V AC
Maximum operating voltage N-PE	U_c	255V AC
Nominal discharge current (8/20 μ s) L-N	I_n	5kA
Nominal discharge current (8/20 μ s) N-PE	I_n	10kA
Test voltage L-N	U_{oc}	10kV
Test voltage N-PE	U_{oc}	20kV
Voltage protection level	U_p	1kV
Voltage protection level mode L-N/N-PE	U_p	1.5kV
Maximum overcurrent protection		63A gL/gG or C 63A
Response time L-N	t_a	25ns
Response time N-PE	t_a	100ns
Cross-section of connected conductors solid (min - max)		1mm ² - 35mm ²
Cross-section of connected conductors stranded (min - max)		1mm ² - 25mm ²
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
Cross-section of remote indication conductors		1.5mm ²
Degree of protection		IP20
Range of operating temperatures (min - max)		-40°C - +80°C
Mounting		DIN rail 35mm
According to standard		EN 61643-11:2012, IEC 61643-11:2011 / T3
Weight		215g (nett), 250g (gross)

Dimensions:



Wiring diagram:

