

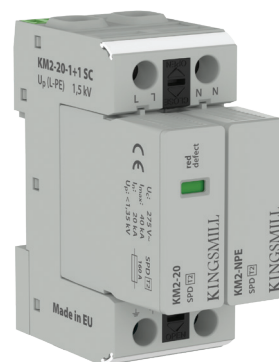
PART NO: KM2-20-1+1 SC

TYPE: Type 2 surge arrester

DESCRIPTION: Combination of varistor SPD and encapsulated spark gap connected in the 1 + 1 mode. Use in TT systems on the boundary of LPZ1 and LPZ2.

Suitable for houses, commercial and industrial buildings.

RATING: 20kA SINGLE PHASE TT



LPL I + II

SYSTEM: SINGLE PHASE TT

MDB: BOUNDARY of LPZ0 & LPZ1

SDB: BOUNDARY of LPZ1 & LPZ2 (if >100m away from MDB)

LPL III + IV

SYSTEM: SINGLE PHASE TT

MDB: -

SDB: BOUNDARY of LPZ1 & LPZ2 (if >100m away from MDB)

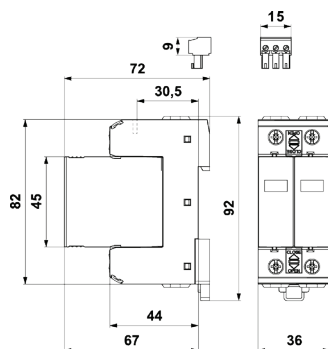
Standards

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

Electrical specification

Order number	KM2-20-1+1 SC	
System	Single phase 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/N-PE	I_n	20kA
Maximum discharge current (8/20 μ s) L-N/N-PE	I_{max}	40kA
Voltage protection level at 5kA L-N	U_p	0.9kV
Voltage protection level mode L-N	U_p	1.35kV
Voltage protection level mode N-PE/L-PE	U_p	1.5kV
Ability to independently switch off the following current N-PE	I_{FI}	0.1kA
Short-circuit current rating	I_{SCCR}	50kA
Maximum overcurrent protection		160A gL/gG
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 / T2
Weight		225g (nett), 255g (gross)

Dimensions:



Wiring diagram:

