DATASHEET

KINGSMILL
INDUSTRIES (UK) LTD

PART NO: KM1+2-25-3+0 SC

TYPE: Type 1+2 lightning current and surge arrester

DESCRIPTION: Heavy duty varistor and spark gap based Type 1+2 surge arrester. Use in TN-C and TN-C-S system main distribution boards on the boundary of LPZ0 and LPZ1 and sub-distribution boards on the boundary of LPZ1 and LPZ2 *(see distance criteria, below).*
Suitable for houses, commercial and industrial buildings.

RATING: 25kA THREE PHASE TN-C / TN-C-S

LPL I + II

SYSTEM: THREE PHASE TN-C & TN-C-S
MDB: BOUNDARY of LPZ0 & LPZ1
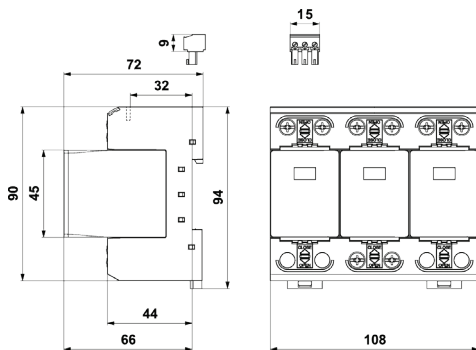**SDB:** BOUNDARY of LPZ1 & LPZ2 (if >100m away from MDB)

Standards

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

Electrical specification

Order number		KM1+2-25-3+0 SC
System		**Three phase TN-C & TN-C-S/3 pole**
Nominal voltage	U_n	230V AC
Nominal voltage	U_O	230V/400V AC ± 10%
Maximum operating voltage	U_c	260V AC
Nominal load current for "V" connection	I_L	125A
Lightning impulse current (10/350µs)	I_{imp}	25kA
Nominal discharge current (8/20µs)	I_n	30kA
Maximum discharge current (8/20µs)	I_{max}	60kA
Voltage protection level	U_p	1.5kV
Short-circuit current rating	I_{SCCR}	50kA
Maximum overcurrent protection		250A gL/gG
Maximum overcurrent protection for "V" connection		125A gL/gG
Response time	t_a	100ns
Cross-section of connected conductors solid (min - max)		2.5mm^2 - 50mm^2
Cross-section of connected conductors stranded (min - max)		2.5mm^2 - 35mm^2
Fault indication		Red indication field
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 / T1, T2
Weight		975g *(nett)*, 1025g *(gross)*

Dimensions:

Wiring diagram:

Created by: M.M Curran   Approved by: Date: 23/03/20   Ver: 1.00