

M25VG | 3P + N

Type 1+2+3



Description

- ▶ Hybrid Spark Gap provides heavy duty surge protection for Main Switchboard (MSB)
- ▶ Protection against discharge surge energy.
- ▶ Suitable for TT and TN-S system.

Applications



Approval / Marking



Technical Parameters

Models	M25VG / 3+1 / A (with Auxiliary)
Design according to	IEC 61643-11 Class I+II+III, Type 1+2+3
Poles	3P+N
Nominal operating voltage (\sim) U_n	230V/400V (50/60Hz)
Maximum continuous voltage (\sim) U_c [L-N/N-PE]	320V/255V (50/60Hz)
Lightning impulse current (10/350 μ s) I_{imp} [L-N/N-PE]	25kA/100kA
Nominal discharge current (8/20 μ s) I_n (L-N)	30kA/100kA
Maximum discharge current (8/20 μ s) I_{max} (L-N)	80kA/160kA
Combined impulse u_{oc}	20kV
Voltage protection level U_p (L-N/N-PE)	$\leq 1.5kV/\leq 1.5kV$
Short-circuit current rating (\sim) I_{SCCR}	25kA rms/100A rms
Maximum disconnecter rating (fuse/MCB)	200A gG/100A
Temporary overvoltage TOV-withstand U_T (L-N)	400V/5s
Temporary overvoltage TOV-safe failure U_T (L-N)	520V/120min
Temporary overvoltage TOV-withstand U_T (N-PE)	1200V/200ms
Leakage current I_{PE}	None
Response time t_A	$\leq 100ns$
Operating temperature range T_U	-40°C to +80°C
Auxiliary Terminal (Remote Signalling)	Terminal 11 & 12: Normally Close [NC] Terminal 11 & 14: Normally Open [NO]
Status / Fault indication	Green/Blue: ok; Red: Replace
Structure type	Modular
Degree of protection	IP20
Enclosure material	Thermoplastic UL94-V0

Dimensions (mm)

