



Class II DEHN Power Supply Systems

Description:

Modular surge arrester with integrated backup fuses for TT and TN-S systems ("3+1" circuits).

Features:

- Prewired complete unit for TT and TN-S systems consisting of a base part and plug-in protection modules with integrated backup fuses.
- Energy coordination within the Redline family.
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps.
- "Thermo Dynamic Control" prevents thermal runaway.
- Operating state/fault indication of every protective path.
- Multifunctional terminals for connecting conductors and buscomb.
- Easy replacement of protection modules without tools.



DGMTTCI275FM



Ordering information		
Part No.	DGMTTCI275FM	DGMTTCI275
Type	952327	952322
Specification		
SPD according to EN61643-11	Type 2	Type 2
SPD according to IEC61643-1	Class II	Class II
Nominal a.c. voltage (U_n)	230/400V	230/400V
Max. continuous operating a.c. voltage (L-N) U_c	275V	275V
Max. continuous operating a.c. voltage (N-PE) U_c	350V	255V
Nominal discharge current (8/20 μ s) (L-N) I_n	12.5kA	12.5kA
Nominal discharge current (8/20 μ s) (N-PE) I_n	20kA	20kA
Max. discharge current (8/20 μ s) (L-N) I_{max}	25kA	25kA
Max. discharge current (8/20 μ s) (N-PE) I_{max}	40kA	40kA
Lightning impulse current (10/350 μ s) (N-PE) I_{imp}	12kA	12kA
Voltage protection level (L-N) U_p	≤ 1.5 kV	≤ 1.5 kV
Voltage protection level (L-N) at 5kA U_p	≤ 1 kV	≤ 1 kV
Voltage protection level (N-PE) U_p	≤ 1.5 kV	≤ 1.5 kV
Follow current extinguishing capability (N-PE) I_n	100A _{rms}	100A _{rms}
Response time (L-N) t_A	≤ 25 ns	≤ 25 ns
Response time (N-PE) t_A	≤ 100 ns	≤ 100 ns
Max. mains-side overcurrent protection	NOT REQUIRED	NOT REQUIRED
Short-circuit withstand capability	25kA _{rms}	25kA _{rms}
Temporary overvoltage (TOV) (L-N) U_t	335V/5sec.	335V/5sec.
Temporary overvoltage (TOV) (N-PE) U_t	1200V/200ms	1200V/200ms
TOV characteristics	withstand	withstand
Operating temperature range T_o	-40°C...+80°C	-40°C...+80°C
Operating state/fault indication	green/red	green/red
Number of ports	1	1
Cross-sectional area (min.)	1.5mm ² solid/flexible	1.5mm ² solid/flexible
Cross-sectional area (max.)	35mm ² stranded/25mm ² flexible	35mm ² stranded/25mm ² flexible
For mounting on	35mm DIN rail acc. to EN60715	35mm DIN rail acc. to EN60715
Enclosure material	thermoplastic, red, UL94 V-0	thermoplastic, red, UL94 V-0
Place of installation	indoor	indoor
Degree of protection	IP20	IP20
Capacity	4 DIN mods	4 mods., DIN mods
Type of remote signalling contact	changeover contact	n/a
Switching capacity a.c.	250V/0.5A	n/a
Switching capacity d.c.	250V/0.1A; 125V/0.2A; 75V/0.5A	n/a
Cross-sectional area for remote signalling terminals	max. 1.5mm ² solid/flexible	n/a



DGMODCI275



DGMODNPE

Replacement Modules	Part No.
Mov Modules (Phase)	DGMODCI275
Spark Gap (Neutral)	DGMODNPE