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ESB 12 PF 240:

Mains connection box set for single-phase 240V TN systems with IP65 enclosure.

Premounted with DEHNventil modular combined lightning current and surge arrester (part no. 951 200) and integrated fuse holder (part no. 29202) including 22x 58 100A gL / gG cylinder fuse (part no. 18063).

- Ready-to-install equipment for use acc. to the lightning protection zones concept as required in BSEN 62305-4
- Quick and easy installation as premounted with spark-gap-based combined lightning current and surge arrester
- Maximum system availability due to RADAX-Flow follow current limitation
- No tripping of 20 A gL/gG fuses up to short-circuit currents of 50 kA_{rms}
- Discharge capacity I_{imp} up to 50 kA (10/350 μs)
- Design and specification giving enhanced SPD performance as outlined in BSEN 62305
- Operating state/fault indication by mark in the inspection window
- Fuse holder with 100 A gG cylinder fuse
- Enclosure with transparent cover, degree of protection: IP 65

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SPD Features	:
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1	Class I
Nominal a.c. voltage [U _N]	240 V
Power supply system	TN system
Max. continuous operating a.c. voltage [U _C]	255 V
Lightning impulse current (10/350 μs) [L+N-PE] [I _{imp}]	50 kA
Lightning impulse current (10/350 μs) [L,N-PE] [I _{imp}]	25 kA
Lightning impulse current (10/350 μs) [I _{imp}]	25 / 50 kA
Nominal discharge current (8/20 μs) [I _n]	25 / 50 kA
Voltage protection level [L-PE] [U _p]	≤ 1.5 kV
Voltage protection level [N-PE] [U _p]	≤ 1.5 kV
Voltage protection level [U _p]	≤ 1.5 kV
Follow current extinguishing capability a.c. [I _{fi}]	50 kA _{rms}
Follow current limitation/Selectivity	no tripping of a 20 A gL/gG fuse up to 50 kA _{rms} (prosp.)
Response time [t _A]	≤ 100 ns
Max. backup fuse (L) up to I _k = 50 kA _{rms}	315 A gL/gG
Max. backup fuse (L) for I _k > 50 kA _{rms}	200 A gL/gG
Max. backup fuse (L-L')	125 A gL/gG
Temporary overvoltage (TOV) [U _{TOV}]	440 V / 5 sec.
TOV characteristics	withstand
Operating state/Fault indication	green / red

Cross-sectional area (L, L', N, N', PE, ±)	10 mm ² solid/flexible
Cross-sectional area (L, N, PE)	50 mm ² stranded/35 mm ² flexible
Cross-sectional area (L', N', ±)	35 mm ² stranded/25 mm ² flexible
SPD material	red thermoplastic, UL 94 V-0
MAINS CONNECTION BOX Features	:
Enclosure material	ABS with polycarbonate lid
Degree of protection acc. to EN 60529	IP 65
Cover type	transparent cover
Colour of enclosure	grey
Number of cable entries	8 cable entries
Capacity	6 modules
Dimension	Height: 210 x Width: 160 x Depth: 100mm
FUSE Features	:
Rated current / Utilisation category	100 A gL / gG
Fuse size	22 x 58 mm
Cylinder fuse module	single-pole

Change in form and technology, with masses, weights and materials we reserve ourselves in the sense of the progress of the technology. The illustrations are noncommittal.