

<p>Height 210mm Depth 83mm</p>  <p>Width 125mm</p>	 <p>DEHN (U.K.) LTD Tel. 01484-859 111 Fax 01484-859 222 info@dehn.co.uk</p>	
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ESB 12 PA 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. 951 205) with integrated remote signalling contact for monitoring system.

- 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
- Enclosure with transparent cover, degree of protection: IP 65

ESB 12 PA 240	
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 _{ff}]	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
Type of remote signalling contact	floating changeover contact
Switching capacity a.c.	250 V/0.5 A
Switching capacity d.c.	250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A
Cross-sectional area for remote signalling terminals	max. 1.5 mm ² solid/flexible
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	4 modules
Dimension	Height: 210 x Width: 125 x Depth: 83mm

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.