



**ESB 2 PA 240:**

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

Premounted with DEHNguard modular surge arrestors (part no. 952 205) 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
- Premounted with DEHNguard M ... surge arrester
- Quick and easy installation as premounted with SPD arrangements
- Maximum discharge capacity ( $I_{max}$  40 kA) due to powerful zinc oxide varistors
- High reliability due to "Thermo Dynamic Control" monitoring device
- Allows for easy replacing of protection modules due to module releasing button
- Operating state/fault indication by mark in the inspection window
- Enclosure with transparent cover, degree of protection: IP 65

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SPD Features	:
SPD according to EN 61643-11	Type 2
SPD according to IEC 61643-1	Class II
Nominal a.c. voltage [U <sub>N</sub> ]	240 V
Power supply system	TN system
Max. continuous operating a.c. voltage [U <sub>C</sub> ]	275 V
Nominal discharge current (8/20 μs) [I <sub>n</sub> ]	20 kA
Max. discharge current (8/20 μs) [I <sub>max</sub> ]	40 kA
Voltage protection level [U <sub>p</sub> ]	≤ 1.25 kV
Voltage protection level for 5 kA [U <sub>p</sub> ]	≤ 1 kV
Response time [t <sub>A</sub> ]	≤ 25 ns
Max. mains-side overcurrent protection	125 A gL/gG
Short circuit withstand capability for max. mains-side overcurrent protection	50 kA <sub>RMS</sub>
Temporary overvoltage (TOV) [U <sub>TOV</sub> ]	335 V / 5 sec.
TOV characteristics	withstand
Operating state/Fault indication	green / red
Cross-sectional area (min.)	1.5 mm <sup>2</sup> solid/flexible
Cross-sectional area (max.)	35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> flexible
SPD material	red thermoplastic, UL 94 V-0
Type of remote signalling contact	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

<b>Cross-sectional area for remote signalling terminals</b>	max. 1.5 mm <sup>2</sup> solid/flexible
<b>MAINS CONNECTION BOX Features</b>	:
<b>Enclosure material</b>	ABS with Polycarbonate lid
<b>Degree of protection acc. to EN 60529</b>	IP 65
<b>Cover type</b>	transparent cover
<b>Colour of enclosure</b>	grey
<b>Number of cable entries</b>	8 cable entries
<b>Capacity</b>	4 modules
<b>Dimension</b>	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.