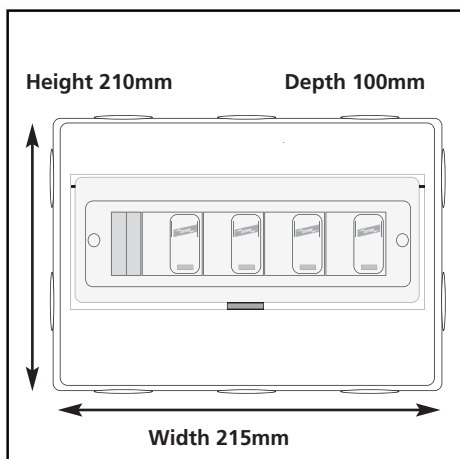




DEHN + SÖHNE



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**ESB 12 PA 415:**

Mains connection box set for 3-phase 240 / 415V TN-(C-)S systems with IP65 enclosure.

Premounted with DEHNventil modular combined lightning current and surge arrester (part no. 951 405) 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<sub>rms</sub>
- Discharge capacity  $I_{imp}$  up to 100 kA (10/350  $\mu$ s)
- 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 415**

<b>SPD Features</b>	:
<b>SPD according to EN 61643-11</b>	Type 1
<b>SPD according to IEC 61643-1</b>	Class I
<b>Nominal a.c. voltage [U<sub>N</sub>]</b>	230 / 400 V
<b>Power supply system</b>	TN-(C)-S system
<b>Max. continuous operating a.c. voltage [U<sub>C</sub>]</b>	255 V
<b>Lightning impulse current (10/350 <math>\mu</math>s) [L1+L2+L3+N-PE] [I<sub>imp</sub>]</b>	100 kA
<b>Lightning impulse current (10/350 <math>\mu</math>s) [L,N-PE] [I<sub>imp</sub>]</b>	25 kA
<b>Lightning impulse current (10/350 <math>\mu</math>s) [I<sub>imp</sub>]</b>	25 / 100 kA
<b>Nominal discharge current (8/20 <math>\mu</math>s) [I<sub>n</sub>]</b>	25 / 100 kA
<b>Voltage protection level [L-PE] [U<sub>p</sub>]</b>	$\leq$ 1.5 kV
<b>Voltage protection level [N-PE] [U<sub>p</sub>]</b>	$\leq$ 1.5 kV
<b>Voltage protection level [U<sub>p</sub>]</b>	$\leq$ 1.5 kV
<b>Follow current extinguishing capability a.c. [I<sub>ff</sub>]</b>	50 kA <sub>rms</sub>
<b>Follow current limitation/Selectivity</b>	no tripping of a 20 A gL/gG fuse up to 50 kA <sub>rms</sub> (prosp.)
<b>Response time [t<sub>A</sub>]</b>	$\leq$ 100 ns
<b>Max. backup fuse (L) up to I<sub>K</sub> = 50 kA<sub>rms</sub></b>	315 A gL/gG
<b>Max. backup fuse (L) for I<sub>K</sub> &gt; 50 kA<sub>rms</sub></b>	200 A gL/gG
<b>Max. backup fuse (L-L')</b>	125 A gL/gG
<b>Temporary overvoltage (TOV) [U<sub>TOV</sub>]</b>	440 V / 5 sec.
<b>TOV characteristics</b>	withstand
<b>Operating state/Fault indication</b>	green / red
<b>Cross-sectional area (L1, L1', L2, L2', L3, L3', N, N', PE, <math>\pm</math>)</b>	10 mm <sup>2</sup> solid/flexible

<b>Cross-sectional area (L1, L2, L3, N, PE)</b>	50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
<b>Cross-sectional area (L1', L2', L3', N', ±)</b>	35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> flexible
<b>SPD material</b>	red thermoplastic, UL 94 V-0
<b>Type of remote signalling contact</b>	floating changeover contact
<b>Switching capacity a.c.</b>	250 V/0.5 A
<b>Switching capacity d.c.</b>	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>	<b>ABS with polycarbonate lid</b>
<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>	<b>10 cable entries</b>
<b>Capacity</b>	<b>9 modules</b>
<b>Dimension</b>	<b>Height: 210 x Width: 215 x Depth: 100mm</b>

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.