



Dimension drawing DSP 12 PF 415 in mm



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Available from



DSP 12 PF 415 (Part No. 902 622): Mains connection box set for 3-phase 240/415 V TN(C)-S systems, with IP 65 enclosure premounted with DEHNventil modular combined lightning current and surge arrester (Part No. 951 400) and fuse holder including three 100 A gG cylinder fuses

- 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 100 kA (10/350 μ s)
- 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 fuses
- Enclosure with transparent cover, degree of protection: IP 65

DSP 12 PF 415

SPD Features	:
SPD according to EN 61643-11	Type 1
SPD according to IEC 61643-1	Class I
Nominal a.c. voltage [U _N]	230 / 400 V
Power supply system	TN-(C)-S system
Max. continuous operating a.c. voltage [U _C]	255 V
Lightning impulse current (10/350 μ s) [L1+L2+L3+N-PE] [I _{imp}]	100 kA
Lightning impulse current (10/350 μ s) [L,N-PE] [I _{imp}]	25 kA
Lightning impulse current (10/350 μ s) [I _{imp}]	25 / 100 kA
Nominal discharge current (8/20 μ s) [I _n]	25 / 100 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 (L1, L1', L2, L2', L3, L3', N, N', PE, \pm)	10 mm ² solid/flexible
Cross-sectional area (L1, L2, L3, N, PE)	50 mm ² stranded/35 mm ² flexible
Cross-sectional area (L1', L2', L3', N', \pm)	35 mm ² stranded/25 mm ² flexible
SPD material	red thermoplastic, UL 94 V-0
MAINS CONNECTION BOX Features	:
Ambient temperature range [T_U]	-25°C...+40°C
Enclosure material	polystyrene
Impact strength according to DIN EN 50102	IK 07 (2 Joule loads)
Degree of protection acc. to EN 60529	IP 65
Cover type	transparent cover
Colour of enclosure	grey
Number of cable entries	10 elastic cable entry
Capacity	14 mods.
Dimension (W x H x D)	300 x 300 x 142 mm
FUSE Features	:
Rated current / Utilisation category	100 A gG
Fuse size	22 x 58 mm
Cylinder fuse module	3-pole
Ordering information	
Type	DSP 12 PF 415
Part No.	902 622
Packing unit	1pcs.

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.