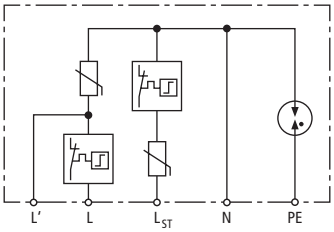
SK EK480 G2S-2d LM DCOR (900 443)

The EK480 fuse box is a high-quality product from Langmatz which stands out for its excellent workmanship and tried and tested features. The EK480 series meets all mechanical and electrical requirements and standards. This ensures the effective protection of luminaires with high-quality electronics against surges resulting from switching operations or nearby lightning strikes.

Flexibility• Optimal installation thanks to large terminal compartment
• Spring clamp connection (innovative plug-in technology allows the toolless connection of wires to the luminaire)
• Easy replacement of the surge protective device
Stability and safety• Contact protection, undetachable and transparent, for easy connection check
• Robust enclosure made of impact-resistant, solid-coloured polyamide IP54
Surge protection• Dual visual fault indicator for the discharge path of the supply voltage and control phase
• Transparent cover for visually detecting SPD failure
• LED can be disconnected in case of a faulty surge protective device
• Protection of a second phase / control phase
• Multipole type 2 surge arrester with monitoring device and disconnector
Disconnector• Design optimised for integration into upper cable connection compartment
Fields of application• Can be used for door sizes from 80 x 300 mm
• Can be installed in masts with an inside diameter from 89 mm





Basic circuit diagram

Type	SK EK480 G2S-2d LM DCOR
Part No.	**900 443**
Data of fuse box	
Item	EK480 with surge protective device
Dimensions	276 x 81 x 70 mm
For masts with an inside diameter from	89 mm
Enclosure material	polyamide
Enclosure colour	standard colour RAL 7035 light grey
Design	according to DIN 43 628 and VDE 0660 Part 505
Degree of protection	IP 54 according to DIN VDE 0470
Protection class	II
Cover	transparent or grey
Clamping technology	incoming: sliding clamp technology / outgoing: spring clamp technology
Max. cross-section of connectable cable	1 - 3 cables (4 or 5 x 16 mm²)
Outgoing terminals	max. 2.5 mm²
Data of DEHNcord L 3P 275 SO LTG surge protective device	
SPD according to EN 61643-11 / IEC 61643-11	type 2 / class II
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Nominal voltage (a.c.) (U_N)	230 V (50 / 60 Hz) V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U_C)	275 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [N-PE] (U_C)	255 V (50 / 60 Hz)
Nominal discharge current (8/20 µs) (I_n)	5 kA
Max. discharge current (8/20 µs) (I_{max})	10 kA
Total discharge current (8/20 µs) [L+N-PE] (I_{total})	20 kA
Voltage protection level [L-N] (U_p)	≤ 1.5 kV
Voltage protection level [L-N] at 3 kA (U_p)	≤ 1 kV
Voltage protection level [L-N] at 1.5 kA (U_p)	≤ 0.85 kV
Voltage protection level [N-PE] (U_p)	≤ 1.5 kV
Follow current extinguishing capability [N-PE] (I_{Fi})	100 A_{eff}

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Data of DEHNcord L 3P 275 SO LTG surge protective device	
Response time [L-N] (t_A)	≤ 25 ns
Response time [L/N-PE] (t_A)	≤ 100 ns
Max. load current (I_L)	10 A
Max. mains-side overcurrent protection	B 16 A
Short-circuit withstand capability for mains-side overcurrent protection (I_{SCCR})	1 kA_{rms}
Short-circuit withstand capability for mains-side overcurrent protection with 16 A gG (I_{SCCR})	6 kA_{rms}
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic	335 V / 5 sec. – withstand 440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [N-PE] (U_T) - Characteristic	1200 V / 200 ms – safe failure
Fault indication	red
Interruption of the load circuit in the event of a fault	yes
Number of ports	1
Operating temperature range (T_U)	-40 °C ... +80 °C
Connecting wires	1.5 mm^2, 60 mm long
Enclosure material	thermoplastic, red, UL 94 V-2
Place of installation	indoor installation, fuse boxes for mast installation
Degree of protection of installed device	IP 20
Approvals	KEMA
Extended technical data:	----------
Combination wave (U_{OC})	10 kV

Masterdata	
Net weight	785.03 g/pc(s)
GTIN	4013364394322
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85362010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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