



FUSE BOX EKM-2051

FUSE BOX FOR APPLICATION IN LIGHTING POLES AND OUTDOORS

KEY FEATURES

- Suitable for application in lighting poles with diameter ≥ 89 mm
- Fast installation thanks improved, ratchet cable sealings
- Proven sliding terminals allow simple and secure connection up to 25 mm^2
- Modular system with different covers and functional blocks
- Flame retardant, impact resistant housing
- Prewired with brass bars
- All metal parts corrosion protected
- Touch proof at maintenance even with removed cover

TE Connectivity's (TE) EKM-2051 was developed to meet expectations with respect to ease of assembly and reliability. It is the standard solution in public lighting to connect and protect luminaires in lighting poles.

With its sliding terminals EKM-2051 can be installed fast and reliably in all street lighting grids. Compared to EKM-2050 it has a 80 mm longer cable break-out area.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Fuse Box EKM-2051

Type tested according to VDE 0660-505 and DIN 43628.



TESTING	
Detail	Data
Application range	Inside of lighting poles (SK, outdoors (SKF)), outdoors in the hand reachable area (SKFH)
Pole inner diameter	≥ 89 mm
Min. dimension of hand hole W x H	85 x 350 mm
Degree of protection	IP 54
Protection class	II
Cable cross section feeder cable	up to 3 x 5 x 2,5 - 16 mm ² or 2 x 4 x 25 mm ² (cable dia. 2 x 19 - 24 mm or 3 x 19 - 22 mm)
Cable cross section luminaire cable	2 x 3 x 1,5 mm ² to 2 x 5 x 2,5 mm ² (cable dia. 8 - 14 mm)
Dimensions H x W x D	337 x 82 x 63 (82) mm
Feeder cable terminals	sliding terminals
Fuse system	see separate chart
Pinning	see separate chart
Protection against contact to life parts	acc. BGV A3
Material	impact resistant flame retardant thermoplastic material
Cover details	grey or transparent cover with latch and/or screw lock, wire sealable
Luminaire cable sealing	rubber glands, compression glands or membrane glands, 2 additional cables can be routed towards the bottom (max dia. 11,5 mm)

PRODUCT SELECTION INFORMATION							
Description	Number of Fuse Holders	Fuses	Number of Sliding Terminal	Pinning	Earthing Cable w.	For 1 and 2 Cable (mm ²)	For 3 Cables (mm ²)
SK - for installation in lighting poles, transparent cover with latch							
EKM-2051-2D1-5S/S	2	-	5	L1, L2, <L3>, N, PE	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-2D1-5S/C	2	-	5	L1, L2, <L3>, <L4>, PEN	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-2D1-4S/S-6-E1	2	6A	4	L1, L2, N, PE	screw M8	4 x 2,5 - 25	4 x 2,5 - 16
EKM-2051-3D1-4S/C	3	-	4	L1, L2, L3, PEN	-	4 x 2,5 - 25	4 x 2,5 - 16
EKM-2051-3D1-5S/S	3	-	5	L1, L2, L3, N, PE	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-3D1-5S/C	3	-	5	L1, L2, L3, L4, PEN	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-3D1-5S/S-E1	3	-	5	L1, L2, L3, N, PE	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-3D1-5S/S-6-E1	3	6A	5	L1, L2, L3, N, PE	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-2D1-5S/U	2	-	5	L1, L2, <L3>, N, PE(N)	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-3D1-5S/U	3	-	5	L1, L2, L3, N, PE(N)	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051-2D1-5S/U-E1	2	-	5	L1, L2, <L3>, N, PE(N)	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
SKF - for outdoor application outside of handreachable area, grey cover w. latch and screw lock							
EKM-2051F-2D1-4S/C (89817)	2	--	4	L1, L2, <L3>, PEN	--	4 x 2,5 - 25	4 x 2,5 - 16
EKM-2051F-2D1-5S/S	2	--	5	L1, L2, <L3>, N, PE	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051F-3D1-4S/C	3	--	4	L1, L2, L3, PEN	--	4 x 2,5 - 25	4 x 2,5 - 16
EKM-2051F-3D1-5S/S	3	--	5	L1, L2, L3, N, PE	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051F-3D1-5S/U	3	--	5	L1, L2, L3, N, PE(N)	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051F-2D1-5S/U	2	--	5	L1, L2, <L3>, N, PE(N)	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
SKFH - for outdoor application in handreachable area, grey cover w. latch and screw lock, w. compression gland and membrane gland							
EKM-2051FH-3D1-4S/C	3	--	4	L1, L2, L3, PEN	--	4 x 2,5 - 25	4 x 2,5 - 16
EKM-2051FH-3D1-5S/S	3	--	5	L1, L2, L3, N, PE	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16
EKM-2051FH-2D1-5S/U	2	--	5	L1, L2, <L3>, N, PE(N)	--	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16

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