



FUSE BOX EKM-2050

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, range-taking cable sealings
- Proven sliding terminals allow simple and secure connection up to 25 mm²
- Modular system with different covers and functional blocks
- Flame retardant, impact resistant housing
- Prewired with brass bars
- All metal parts corrosion protected

TE Connectivity's (TE) EKM-2050 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-2050 can be installed fast and reliably in all street lighting grids.

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

Fuse Box EKM-2050

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 270 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	257 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 Fuses Holders	Fuses Size A	No. of Sliding Terminals	Pinning	Earthing Cable W.	For 1 or 2 Cables (mm ²)	For 3 Cables (mm ²)	Part Number
SK – for installation in lighting poles, transparent cover with latch								
EKM-2050-2D1-4S/C	2	-	4	L1, L2, <L3>, PEN	-	4 x 2,5 - 25	4 x 2,5 - 25	CS0559-000
EKM-2050-2D1-4S/S-6-E1	2	6	4	L1, L2, N, PE	screw M8	4 x 2,5 - 25	4 x 2,5 - 25	CS0579-000
EKM-2050-3D1-5S/S	3	-	5	L1, L2, L3, N, PE	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	608734-000
EKM-2050-3D1-5S/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	026630-000
EKM-2050-2D1-5S/S-E1	2	-	5	L1, L2, <L3>, N, PE	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	CS0517-000
EKM-2050-2D1-5S/S-6-E1	2	6	5	L1, L2, <L3>, N, PE	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	CS0518-000
EKM-2050-3D1-5S/S-6-E1	3	6	5	L1, L2, L3, N, PE	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	043462-000
EKM-2050-3D1-5S/C-6-E1	3	6	5	ST, L1, L2, <L3>, PEN	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	142858-000
EKM-2050-2D1-5S/U	2	-	5	L1, L2, <L3>, N, PE(N)	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	CS0531-000
EKM-2050-2D1-5S/U-6-E1	2	6	5	L1, L2, <L3>, N, PE(N)	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	CS0534-000
EKM-2050-3D1-5S/U	3	-	5	L1, L2, L3, N, PE (N)	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	345474-000
EKM-2050-3D1-5S/U-6-E1	3	6	5	L1, L2, L3, N, PE(N)	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	920248-000
SKF – for outdoor application outside of handreachable area, grey cover w. latch and screw lock								
EKM-2050F-2D1-4S/C	2	-	4	L1, L2, <L3>, PEN	-	4 x 2,5 - 25	4 x 2,5 - 16	CS0575-000
EKM-2050F-2D1-5S/S)	2	-	5	L1, L2, <L3>, N, PE	-	4 x 2,5 - 25 5 x 2,5 - 16	4 x 2,5 - 16	CS0559-000
EKM-2050F-3D1-4S/C	3	-	4	L1, L2, L3, PEN	-	4 x 2,5 - 25	4 x 2,5 - 16	CS0578-000
EKM-2050F-2D1-5S/U	2	-	5	L1, L2, <L3>, N, PE(N)	-	4 x 2,5 - 25 5 x 2,5 - 16	4 x 2,5 - 16	CS0561-000
EKM-2050F-3D1-5S/U-6-E1	3	6	5	L1, L2, L3, N, PE(N)	screw M8	4 x 2,5 - 25 5 x 2,5 - 16	4 x 2,5 - 16	CS0579-000
SKFH – for outdoor application in handreachable area, gray cover w. latch and screw lock. W. compression gland and membrane gland								
EKM-2050FH-2D1-4S/C	2	-	4	L1, L2, <L3>, PEN	-	4 x 2,5 - 25	4 x 2,5 - 25	CS0572-000
EKM-2050FH-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	CS0558-000
EKM-2050FH-3D1-5S/U-I	3	-	5	L1, L2, L3, N, PE(N)	-	4 x 2,5 - 25 5 x 2,5 - 16	5 x 2,5 - 16	F45931-000

FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Benelux:	+ 32 16 351 731
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
China:	+ 86 (0) 400-820-6015

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