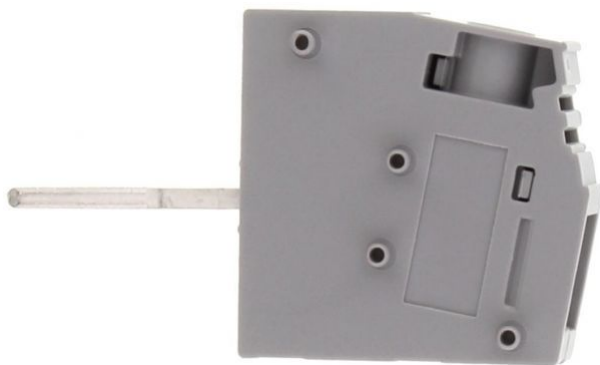


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SDK 10/1A/1L/Z GR

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M4

EAC



Feed-through terminal, Screw connection, Mounting type: Mounting surface, Rated cross-section: 10 mm², Colour: Grey

Business data

Product description	Panel feed-through terminal
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	21.38
Weight per piece (including packaging)	21.4
Unit of weight	G
Customs number	85369010
Country of origin	DE

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SDK 10/1A/1L/Z GR

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Technical Data

Dimensions

Length of outer part	32.9 mm
Length of inner part	9.3 mm
Width of outer part	10.1 mm
Width of inner part	10.1 mm
Height of outer part	32.6 mm
Height of inner part	22.2 mm

Ratings

Rated voltage	320 V
Rated voltage when used without outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates	630 V
Rated voltage when used with outer spacer plates, and when mounted on a conductive housing panel with use of encapsulation compound or inner partition plates	1000 V
Rated current	57 A
Current load, max.	76 A
Rated cross-section	10 mm ²
Rated impulse voltage	6 kV
Overvoltage category	III
Contamination degree	3

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Technical Data

Connection data

Connection principle	Screw connection
Number of terminals per pole	2
No. of poles	1
Wire cross-section single-core (rigid) / stranded, min.	0.2 mm ²
Wire cross-section single core (rigid)/stranded, max.	16 mm ²
Wire cross-section stranded, min.	0.2 mm ²
Wire cross-section stranded, max.	16 mm ²
Wire cross-section stranded with wire-end ferrules, min.	0.2 mm ²
Wire cross-section stranded with wire-end ferrules, max.	10 mm ²
Wire cross-section AWG, min.	20
Wire cross-section AWG, max.	6
Stripping length	12 mm
Screw head	Slotted
Screw threading	M 4
Tightening torque, min.	1.2 Nm
Tightening torque, max.	2.4 Nm

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Technical Data

Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C

Further technical data

Mounting type	Mounting face
Gauge plug acc. to EN 60 947-1	A6
Sheet thickness, min.	1 mm
Max. sheet thickness	4 mm
Sheet thickness when using spacer plates, min.	1 mm
Sheet thickness when using spacer plates, max.	3 mm
Thickness of mounting plate, min.	1
Thickness of mounting plate, max.	4

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Approvals

Standards and regulations

EAC approval

TR ZU 004/2011

EAC approval granted

✓

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Approvals

cUL Recognized

cUL Recognized	C22.2 No 158
cUL Recognized	✓
cUL Usegroup B: rated voltage	300 V
cUL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
cUL Usegroup B: rated current	65 A
cUL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	85 A
cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
cUL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	85 A
cUL Usegroup D: rated voltage	300 V
cUL Usegroup D: rated voltage when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
cUL Usegroup D: rated current	65 A
cUL Usegroup D: rated current when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	5 A
cUL wire cross-section single-core (rigid) AWG, min.	20
cUL wire cross-section single-core (rigid) AWG, max.	6
cUL wire cross-section stranded AWG, min.	20
cUL wire cross-section stranded AWG, max.	6
cUL torque, min.	1.2 Nm
cUL torque, max.	2.4 Nm
cUL wire material	Cu

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Approvals

KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1
KEMA KEUR approval granted	✓
KEMA rated voltage with feed-through plate max. 1 mm thickness	1000 V
KEMA rated voltage with feed-through plate 2-4 mm thickness	800 V
KEMA conventional thermal current in free air	57 A
KEMA rated impulse voltage (for 250 V without partitions)	6 kV
KEMA wire cross-section, min.	0.2 mm ²
KEMA wire cross-section, max.	16 mm ²
KEMA torque, max.	1.2 Nm

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SDK 10/1A/1L/Z GR

SDK 10/1A/1L/Z GR

Approvals

UL Recognized

UL Recognized	UL 1059
UL Recognized granted	✓
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
UL Usegroup B: rated current	65 A
UL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	85 A
UL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
UL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	85 A
UL Usegroup D: rated voltage	300 V
UL Usegroup D: rated voltage when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
UL Usegroup D: rated current	65 A
UL Usegroup D: rated current when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	5 A
UL wire cross-section single-core (rigid) AWG, min.	20
UL wire cross-section single-core (rigid) AWG, max.	6
UL wire cross-section stranded AWG, min.	20
UL wire cross-section stranded AWG, max.	6
UL torque, min.	10.6 Lb In.
UL torque, max.	21.2 Lb In.
UL wire material	Cu
UL factory wiring	✓

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Subject to technical modifications

Datasheet



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Approvals

UL Recognized

UL field wiring

✓

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Media



EAC



CRU[®] US

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Accessories

External adapter plate, 6-poles



Adapter plate, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17443.6	SDK 10-AP/6	4044211209834	10 PC

Fastening screw, inside



Screw, Colour: natural

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17448.6	BS-SDK10/16 4x12	4044211210083	100 PC

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Accessories

Outer spacer plate



Partition plate, Width: 3 mm, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17444.6	SDK 10-DPA	4044211210038	50 PC

Set of flange plates (outside)



Flange plate, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17442.6	SDK 10-FP	4044211209827	50 PC

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Accessories

Foam seal, perforated

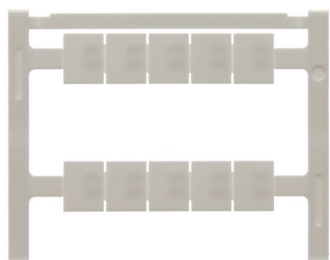


Seal, Colour: Dark grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17446.4	SDK 10-SPI/10	4044211210052	100 PC

Quick-marking



Terminal marker / Pocket Maxicard, Length: 12 mm,
Width: 10 mm, Colour: White

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
9433.7	PMC BSTR 10x12/10 WH	4044211155223	100 PC

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Accessories

Screw driver



Screwdriver with bare blade, Colour: Black-grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
1087.0	SDB 0,8x4,0	4044211014803	1 PC

Trennwand innen Lötanschluss



In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17445.9	SDK 10-TWI	4044211210069	50 PC

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SDK 10/1A/1L/Z GR

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Accessories

Moulded plate, inside



Partition plate, Width: 10.1 mm, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17447.6	SDK 10-VPI	4044211210076	50 PC
