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SDK 16/1A/1B GR

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Feed-through terminal, Screw connection, Mounting type: Mounting surface, Rated cross-section: 16 mm², Colour: Grey

Business data

Product description	Panel feed-through terminal
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	26.91
Weight per piece (including packaging)	27.31
Unit of weight	G
Customs number	85369010
Country of origin	DE

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Technical Data

Dimensions

Length of outer part	37.2 mm
Length of inner part	9.3 mm
Width of outer part	12 mm
Width of inner part	12 mm
Height of outer part	41.3 mm
Height of inner part	28 mm

Ratings

Rated voltage	400 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	76 A
Current load, max.	101 A
Rated cross-section	16 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.	1.5 mm ²
Wire cross-section single core (rigid)/stranded, max.	25 mm ²
Wire cross-section stranded, min.	1.5 mm ²
Wire cross-section stranded, max.	25 mm ²
Wire cross-section stranded with wire-end ferrules, min.	1.5 mm ²
Wire cross-section stranded with wire-end ferrules, max.	16 mm ²
Wire cross-section AWG, min.	16
Wire cross-section AWG, max.	4
Stripping length	16 mm
Screw head	Slotted
Screw threading	M 5
Screw head inner part	Cross-head
Screw thread inner part	M 5
Tightening torque, min.	2 Nm
Tightening torque, max.	4 Nm
Screw inner part: tightening torque, min.	2.5 Nm
Screw inner part: tightening torque, max.	3 Nm

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

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Mounting type

Mounting face
Creation date 08.06.2020 10:16:40
Subject to technical modifications

Gauge plug acc. to EN 60 947-1

A7

Further technical data



Sheet thickness, min.	1 mm
Max. sheet thickness	6 mm
Sheet thickness when using spacer plates, min.	1 mm
Sheet thickness when using spacer plates, max.	5 mm
Thickness of mounting plate, min.	1
Thickness of mounting plate, max.	6

Datasheet



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Approvals

Standards and regulations

EAC approval	TR ZU 004/2011
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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-AP adapter plate	600 V
cUL Usegroup B: rated current	5 A
cUL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	85 A
cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	600 V
cUL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	85 A
cUL Usegroup D: rated voltage	300 V
cUL Usegroup D: rated voltage when using the SDK 4-DP spacer plate	600 V
cUL Usegroup D: rated current	5 A
cUL Usegroup D: rated current when using the SDK 4-DP spacer plate	85 A
cUL wire cross-section single-core (rigid) AWG, min.	16
cUL wire cross-section single-core (rigid) AWG, max.	4
cUL wire cross-section stranded AWG, min.	16
cUL wire cross-section stranded AWG, max.	4
cUL torque, min.	2 Nm
cUL torque, max.	4 Nm
cUL wire material	Cu

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Approvals

KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1
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KEMA KEUR approval granted	✓
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KEMA rated voltage with feed-through plate 1-2 mm thickness	100 V
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KEMA rated voltage with feed-through plate max. 3-5 mm thickness	800 V
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KEMA rated voltage with feed-through plate 6 mm thickness	630 V
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KEMA conventional thermal current in free air	76 A
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KEMA rated impulse voltage (for 250 V without partitions)	6 kV
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KEMA wire cross-section, min.	1.5 mm ²
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KEMA wire cross-section, max.	25 mm ²
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KEMA torque, max.	2 Nm
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Approvals

UL Recognized

UL Recognized	UL 1059
UL Recognized granted	✓
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	600 A
UL Usegroup B: rated current	5 A
UL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	85 V
UL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	600 V
UL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-AP adapter plate	85 A
UL Usegroup D: rated voltage	300 V
UL Usegroup D: rated voltage when using the SDK 4-DP spacer plate	600 V
UL Usegroup D: rated current	5 A
UL Usegroup D: rated current when using the SDK 4-DP spacer plate	85 A
UL wire cross-section single-core (rigid) AWG, min.	16
UL wire cross-section single-core (rigid) AWG, max.	4
UL wire cross-section stranded AWG, min.	16
UL wire cross-section stranded AWG, max.	4
UL torque, min.	17.7 Lb In.
UL torque, max.	35.4 Lb In.
UL wire material	Cu
UL factory wiring	✓

Datasheet



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Approvals

UL Recognized

UL field wiring

✓

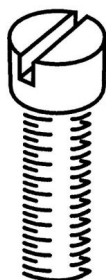
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Media

M5



EAC



CRA[®] US

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Accessories

External adapter plate, 6-poles



Partition plate, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17453.6	SDK 16-AP/6	4044211210656	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, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17454.6	SDK 16-DPA	4044211210663	50 PC

Set of flange plates (outside)



Flange plate, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17452.6	SDK 16-FP	4044211210649	50 PC

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Accessories

Foam seal, perforated

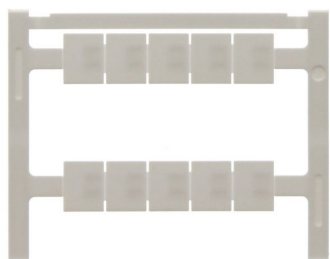


Seal, Colour: Dark grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17456.4	SDK 16-SPI/10	4044211210687	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

Moulded plate, inside



Partition plate, Colour: Grey

In general

Order number	Article designation	GTIN (EAN)	Packaging unit
17457.6	SDK 16-VPI	4044211210694	50 PC
