Data sheet

17382.6 SDK 4/1A/1L GR



Feed-through terminal, Screw connection, Mounting type: Mounting surface, Rated cross-section: 4 mm², Colour: Grey

RAL: 7030

Business data

Article number	17382.6
Article name	SDK 4/1A/1L GR
GTIN (EAN)	4044211199241
Colour	Grey
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	8.19 g
Weight per piece (including packaging)	8.23 g
Unit of weight	G
Customs number	85369010
Country of origin	CZ
Product description	Panel feed-through terminal

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Technical data

Dimensions

Length of outer part	27.5 mm
Length of inner part	7.3 mm
Width of outer part	8.1 mm
Width of inner part	8.1 mm
Height of outer part	28.2 mm
Height of inner part	28.4 mm

Ratings

Rated voltage	250 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	32 A
Current load, max.	41 A
Rated cross-section	4 mm²
Rated impulse voltage	6 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	1.02 W

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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 mm²
Wire cross-section single core (rigid)/stranded, max.	6 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	4 mm²
Wire cross-section stranded with wire-end ferrules,min.	0.2 mm²
Wire cross-section stranded with wire-end ferrules,max.	4 mm²
Wire cross-section AWG, min.	26
Wire cross-section AWG, max.	10
Stripping length	10 mm
Screw head	Slotted
Screw threading	M 3
Tightening torque, min.	0.5 Nm
Tightening torque, max.	1 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

Mounting type	Mounting face
Gauge plug acc. to EN 60 947-1	A4
Sheet thickness min.	1 mm
Sheet thickness max.	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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Technical data

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes

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Approvals

Standards and regulations

EAC approval	TR ZU 004/2011
EAC approval granted	yes

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Approvals

cUL Recognized

cUL approval	C22.2 No 158
cUL Usegroup B: rated voltage	300 V
cUL Usegroup B: rated voltage when using the SDK...-DP spacer plate	300 V
cUL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate orthe SDK 4-TWI partition	600 V
cUL Usegroup B: rated current	30 A
cUL Usegroup B: rated current when using the SDK...-DP spacer plate	30 A
cUL Usegroup B: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate orthe SDK 4-TWI partition	30 A
cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate	300 V
cUL Usegroup C: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate orthe SDK 4-TWI partition	600 V
cUL Usegroup C: rated current when using the SDK 4-DP spacer plate	30 A
cUL Usegroup C: rated current when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate orthe SDK 4-TWI partition	30 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 voltage when using the SDK...-DP spacer plate and the SDK ...-AP adapter plate	300 V
cUL Usegroup D: rated current	30 A
cUL Usegroup D: rated current when using the SDK 4-DP spacer plate	5 A
cUL Usegroup D: rated current when using the SDK...-DP spacer plate and the SDK ...-AP adapter plate	30 A
cUL wire cross-section single-core (rigid) AWG, min.	26
cUL wire cross-section single-core (rigid) AWG, max.	10
cUL wire cross-section stranded AWG, min.	26
cUL wire cross-section stranded AWG, max.	10
cUL torque, min.	0.5 Nm
cUL torque, max.	1 Nm
cUL wire material	Cu
cUL Recognized	1

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Approvals

KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	250 V
KEMA rated voltage when used outside without spacer plates, and inside when mounted on a conductive housing panel with use of encapsulation compound or partition plate	630 V
KEMA 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
KEMA rated current	32 A
KEMA conventional thermal current in free air	41 A
KEMA rated impulse voltage (for 250 V without partitions)	6 (4) kV
KEMA wire cross-section, min.	0.2 mm²
KEMA wire cross-section, max.	6 mm²

Approvals

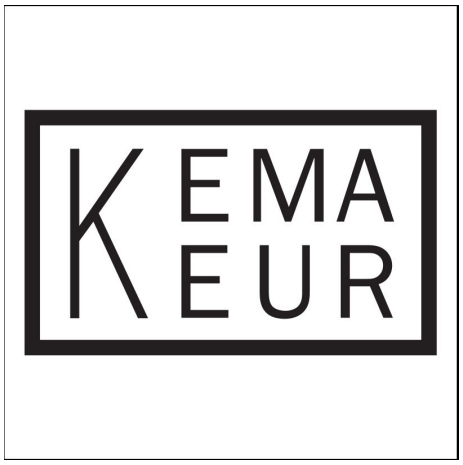
UL Recognized

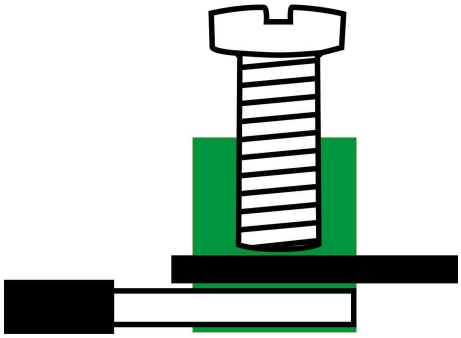
UL approval	UL 1059
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated voltage when using the SDK ...-VPI moulded plate and the SDK ...-TWI partition	300 V
UL Usegroup B: rated voltage when using the SDK 4-DP spacer plate and the SDK 4-VPI moulded plate or the SDK 4-TWI partition	600 V
UL Usegroup B: rated current	30 A
UL Usegroup B: rated current when using the SDK ...-VPI moulded plate and the SDK ...-TWI partition	30 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	30 A
UL Usegroup C: rated voltage when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	300 V
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-VPI moulded plate or the SDK 4-TWI partition	30 A
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	30 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	300 V
UL Usegroup D: rated current	30 A
UL Usegroup D: rated current when using the SDK 4-VPI moulded plate or the SDK 4-TWI partition	30 A
UL wire cross-section single-core (rigid) AWG, min.	26
UL wire cross-section single-core (rigid) AWG, max.	10
UL wire cross-section stranded AWG, min.	26
UL wire cross-section stranded AWG, max.	10
UL torque, min.	4.42 Lb In.
UL torque, max.	8.85 Lb In.
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Data sheet

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Media











Data sheet

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Accessories

Inner mounting screw



Screw, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
17438.6	BS-SDK 4 3x10	4044211206253	100 ST

Outer spacer plate



Partition plate, Width: 3 mm, Colour: Grey

Article number	Article name	GTIN (EAN)	Packaging unit
17434.6	SDK 4-DPA GR	4044211206222	50 ST

Set: outer flange plate



Flange plate, Colour: Grey

Article number	Article name	GTIN (EAN)	Packaging unit
17432.6	SDK 4-FP GR	4044211199265	50 ST

Perforated foam seal



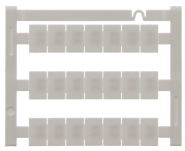
Seal, Colour: Dark grey

Article number	Article name	GTIN (EAN)	Packaging unit
17436.4	SDK 4-SPI/10 DG	4044211206574	100 ST

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Quick marking



Terminal marker / Pocket Maxicard, Length: 12 mm, Width: 8 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
9410.7	PMC BSTR 8x12/21 WH	4044211154998	210 ST

Screwdriver



Screwdriver with bare blade, Colour: Black-grey

Article number	Article name	GTIN (EAN)	Packaging unit
1086.0	SDB 0,6x3,5	4044211014797	1 ST

Inner moulded plate



Partition plate, Width: 7 mm, Colour: Grey

Article number	Article name	GTIN (EAN)	Packaging unit
17437.6	SDK 4-VPI GR	4044211206246	50 ST