

PCB terminal block - KDS 4/ 7 (1357) NZ029.111307-4 - 1780141

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PCB terminal block, nominal current: 41 A, nom. voltage: 320 V, pitch: 7.5 mm, number of positions: 7, connection method: Screw connection with tension sleeve, mounting: Wave soldering, conductor/PCB connection direction: 0 °

The figure shows a 1-pos. version of the product

Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Potentials can be easily looped through with additional connection to the PCB
- ✓ Two solder pins reduce the mechanical strain on the soldering spots
- ✓ The latching on the side enables various numbers of positions to be combined



Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918260033

Technical data

Dimensions

Length [l]	20.6 mm
Pitch	7.5 mm
Dimension a	45 mm
Width [w]	52.5 mm
Height	18 mm
Height [h]	23 mm
Solder pin [P]	5 mm
Hole diameter	1.3 mm

General

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Technical data

General

Range of articles	KDS 4
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	320 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	41 A
Nominal cross section	4 mm ²
Internal cylindrical gage	A3
Stripping length	8 mm
Number of positions	7
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Connection data

Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CSA

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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Approvals

Approvals


Approvals

DNV GL / CSA / RS / CCA / SEV / EAC / cULus Recognized

Ex Approvals


Approval details


DNV GL	http://exchange.dnv.com/tari/	TAE00001EV
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CSA		http://www.csagroup.org/services-industries/product-listing/	13631
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	30 A	
mm ² /AWG/kcmil	28-10	28-10	

RS		http://www.rs-head.spb.ru/en/index.php	17.00014.272
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CCA			IK-3249
Nominal voltage UN		400 V	
mm ² /AWG/kcmil		6	

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-4199
Nominal voltage UN		400 V	
Nominal current IN		41 A	
mm ² /AWG/kcmil		6	

EAC			B.01742
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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19770427
	D	B
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	30 A
mm ² /AWG/kcmil	30-10	30-10

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