

# Sensor/actuator terminal block - DIKD 1,5 - 2715979

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Sensor/actuator terminal block, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Connection type: Screw connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- The positive and negative potential can be supplied to the insertion bridges via this power terminal block
- The first initiator can also be connected to this three-conductor feed-through terminal block

## Key commercial data

package_quantity	50
GTIN	4017918061722

## Technical data

### General

Number of levels	3
Number of connections	6
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

### General

Rated surge voltage	4 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	250 V
Open side panel	nein
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	4.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.5 kV
Result of power-frequency withstand voltage test	Test passed

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## Technical data

### General

Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
Bending test conductor cross section/weight	2.5 mm <sup>2</sup> / 0.7 kg
Bending test conductor cross section/weight	4 mm <sup>2</sup> / 0.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm <sup>2</sup>
Tractive force setpoint	10 N
Conductor cross section tensile test	2.5 mm <sup>2</sup>
Tractive force setpoint	50 N
Conductor cross section tensile test	4 mm <sup>2</sup>
Tractive force setpoint	60 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	2.5 mm <sup>2</sup>
Short-time current	0.3 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	115 °C

### Dimensions

Width	6.2 mm
Length	72.5 mm
Height NS 35/7,5	54.5 mm
Height NS 35/15	62 mm

### Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

## Sensor/actuator terminal block - DIKD 1,5 - 2715979

### Technical data

#### Connection data

Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	4 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
Cross section with insertion bridge, solid max.	4 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	2.5 mm <sup>2</sup>
Stripping length	8 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### classifications

#### eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141128
eCl@ss 7.0	27141128
eCl@ss 8.0	27141128

#### ETIM

ETIM 2.0	EC000900
ETIM 3.0	EC000900
ETIM 4.0	EC000900

# Sensor/actuator terminal block - DIKD 1,5 - 2715979

## classifications

### ETIM

<b>ETIM 5.0</b>	EC000900
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### UNSPSC

<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

CSA / UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

### Approval details

<b>CSA</b>	
Nominal voltage UN	300 V
Nominal current IN	15 A
mm <sup>2</sup> /AWG/kcmil	28-14

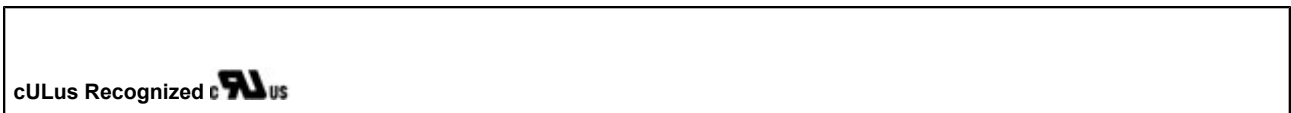
<b>UL Recognized</b>			
<b>Usegroups</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	15 A	15 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14	30-14

<b>cUL Recognized</b>			
<b>Usegroups</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	15 A	15 A	10 A
mm <sup>2</sup> /AWG/kcmil	30-14	30-14	30-14

<b>GOST</b>	
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## Sensor/actuator terminal block - DIKD 1,5 - 2715979

approvals



accessories

### Partition plate

D-DEK 1,5 GN - 2716949



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### Labeled terminal marker

SK 6,2/3,8:FORTL.ZAHLEN - 0804374



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ZB 6 CUS - 0824992



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ZB 6,LGS:FORTL.ZAHLEN - 1051016



## Sensor/actuator terminal block - DIKD 1,5 - 2715979

### accessories

ZB 6,QR:FORTL.ZAHLEN - 1051029



ZB 6,LGS:GLEICHE ZAHLEN - 1051032



ZB 6,LGS:L1-N,PE - 1051414



ZB 6,LGS:U-N - 1051430



UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



## Sensor/actuator terminal block - DIKD 1,5 - 2715979

accessories

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### Bridge

FB-150 METER - 0201595



FBI 100- 6 - 0201650



FBI 10- 6 - 0203250



FBI 20- 6 - 0201867



EB 80- DIK RD - 2715953



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### accessories

EB 80- DIK BU - 2715940



EB 10- DIK RD - 2716774



EB 10- DIK BU - 2716680



EB 10- DIK GY - 2715937



EB 80- DIK WH - 2715788



EB 5- DIK BU - 2716677





## Sensor/actuator terminal block - DIKD 1,5 - 2715979

accessories

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EB 4- DIK BU - 2716664



EB 3- DIK BU - 2716651



EB 2- DIK BU - 2716648



EB 5- DIK RD - 2716761



EB 4- DIK RD - 2716758



## Sensor/actuator terminal block - DIKD 1,5 - 2715979

### accessories

EB 3- DIK RD - 2716745



EB 2- DIK RD - 2716693



### Partition plate

ATP-DIKD 1,5 - 1413285



### Terminal marking

SBS 6:UNBEDRUCKT - 1007222



ZB 6:UNBEDRUCKT - 1051003



## Sensor/actuator terminal block - DIKD 1,5 - 2715979

accessories

UC-TM 6 - 0818085



UCT-TM 6 - 0828736



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



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### accessories

NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



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accessories

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NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



## Sensor/actuator terminal block - DIKD 1,5 - 2715979

### accessories

NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



NS 35/15-2,3 UNPERF 2000MM - 1201798



**End block**

## Sensor/actuator terminal block - DIKD 1,5 - 2715979

### accessories

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



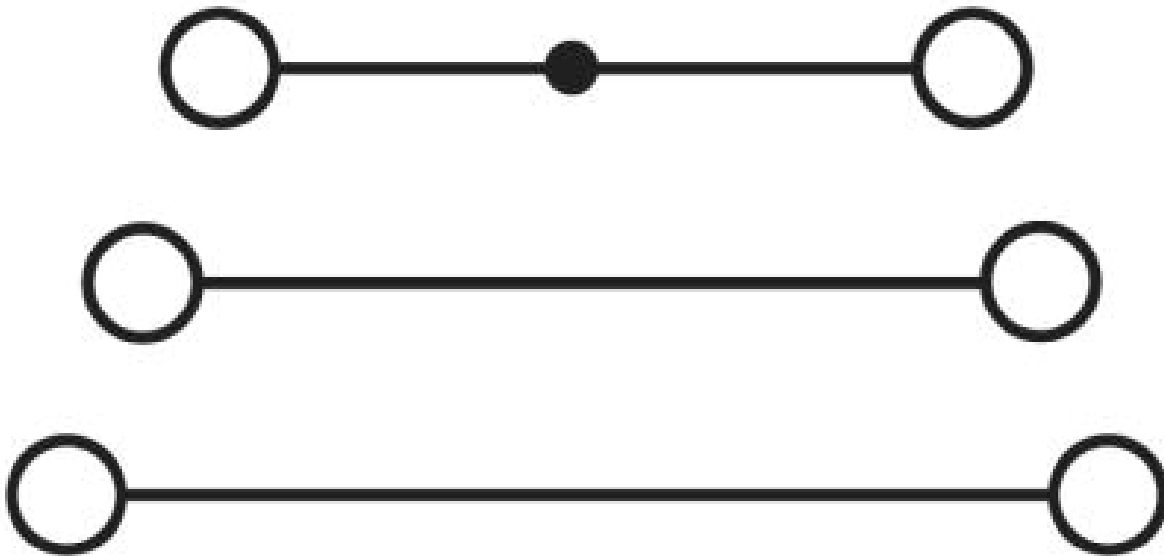
E/UK 1 - 1201413



### Drawings

## Sensor/actuator terminal block - DIKD 1,5 - 2715979

Circuit diagram



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