

# Feed-through terminal block - UDK 4-DUR 249 - 2775249

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

## Product Features

- The four-conductor connection enables user-friendly wiring
- The constant circuits common in process automation transmit the measured values as a load-independent current of 0 - 20 mA
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 249 Ω resistor
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, enabling the signal to be used as an analog signal for process computers

## Key commercial data

package_quantity	50
GTIN	4017918068530

## Technical data

### General

Number of levels	1
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

### General

Maximum load current	10 mA (the current is determined by the component used)
Rated surge voltage	6 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>	32 A (the current is determined by the component used)
Nominal voltage U <sub>N</sub>	630 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed

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## Technical data

### General

Surge voltage test setpoint	9.8 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	3 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test conductor cross section/weight	0.2 mm <sup>2</sup> / 0.2 kg
Bending test conductor cross section/weight	4 mm <sup>2</sup> / 0.9 kg
Bending test conductor cross section/weight	6 mm <sup>2</sup> / 1.4 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	4 mm <sup>2</sup>
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm <sup>2</sup>
Tractive force setpoint	80 N
Tensile test result	Test passed
Setpoint	1 N
Result of tight fit test	Test passed
Result of voltage drop test	Test passed
Temperature-rise test	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))	125 °C

### Dimensions

Width	6.2 mm
Length	63.5 mm
Height NS 35/7,5	47 mm
Height NS 35/15	54.5 mm
Height NS 32	52 mm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>

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## Technical data

### Connection data

Conductor cross section stranded, with ferrule without plastic sleeve max.	4 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.	1.5 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.	1.5 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.	1.5 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.	2.5 mm <sup>2</sup>
Cross section with insertion bridge, stranded max.	2.5 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

## classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

### UNSPSC

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## classifications

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## approvals

CSA / GOST / GOST /

### Approval details

Nominal voltage UN	600 V
Nominal current IN	10 A
mm <sup>2</sup> /AWG/kcmil	22-10

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## accessories

### End cover

D-UDK 4 - 2775113



### Partition plate

## Feed-through terminal block - UDK 4-DUR 249 - 2775249

### accessories

TS-KK 3 - 2770215



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### Partition plate

ATP-UKK 3/5 - 2778521



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### Terminal marking

SBS 6:UNBEDRUCKT - 1007222



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ZB 6:UNBEDRUCKT - 1051003



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UC-TM 6 - 0818085



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## accessories

UCT-TM 6 - 0828736



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### Screwdriver tools

SZS 0,6X3,5 - 1205053



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### Insulating sleeve

IS-K 4 - 1302338



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ISSBI 10- 6 - 0301505



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### Bridge

FBI 100- 6 - 0201650



## Feed-through terminal block - UDK 4-DUR 249 - 2775249

### accessories

FBI 10- 6 - 0203250



FBI 20- 6 - 0201867



EB 3- 6 - 0201142



EB 2- 6 - 0201155



EB 10- 6 - 0201139



### Mounting rail

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### accessories

NS 32 PERF 2000MM - 1201002



NS 32 UNPERF 2000MM - 1201015



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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





## Feed-through terminal block - UDK 4-DUR 249 - 2775249

accessories

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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



## Feed-through terminal block - UDK 4-DUR 249 - 2775249

### accessories

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



NS 35/15 ZN PERF 2000MM - 1206599



## Feed-through terminal block - UDK 4-DUR 249 - 2775249

accessories

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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



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### Labeled terminal marker

ZB 6 CUS - 0824992



## Feed-through terminal block - UDK 4-DUR 249 - 2775249

### accessories

UC-TM 6 CUS - 0824589



UCT-TM 6 CUS - 0829602



### End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



# Feed-through terminal block - UDK 4-DUR 249 - 2775249

## accessories

E/UK - 1201442



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E/UK 1 - 1201413



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## Drawings

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