

## Feed-through terminal block - UK 10 N - 3005073

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.5 mm<sup>2</sup> - 16 mm<sup>2</sup>, AWG: 20 - 6, Width: 10.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15, NS 32

### Product Features

- All universal terminal blocks in the UK... series can also be used in the Ex e area according to IEC/EN 60079 as standard
- The corresponding EC-type examination numbers for Ex approval can be found in the technical connection data



### Key commercial data

package_quantity	50
GTIN	4017918091019

### Technical data

#### General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

#### General

Maximum load current	76 A (with 16 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 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>	57 A
Nominal voltage U <sub>N</sub>	800 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	2 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	0.5 mm <sup>2</sup> / 0.3 kg
Bending test conductor cross section/weight	10 mm <sup>2</sup> / 2 kg
Bending test conductor cross section/weight	16 mm <sup>2</sup> / 2.9 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.5 mm <sup>2</sup>
Tractive force setpoint	20 N
Conductor cross section tensile test	10 mm <sup>2</sup>
Tractive force setpoint	90 N
Conductor cross section tensile test	16 mm <sup>2</sup>
Tractive force setpoint	100 N
Tensile test result	Test passed
Setpoint	5 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	10 mm <sup>2</sup>
Short-time current	1.2 kA
Conductor cross section short circuit testing	16 mm <sup>2</sup>
Short-time current	1.92 kA
Short circuit stability result	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
ASD level	1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms

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## Technical data

### General

<b>Number of shocks per direction</b>	3
<b>Test directions</b>	X-, Y- and Z-axis (pos. and neg.)
<b>Shock test result</b>	Test passed
<b>Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))</b>	130 °C
<b>Static insulating material application in cold</b>	-60 °C

### Dimensions

<b>Width</b>	10.2 mm
<b>Length</b>	42.5 mm
<b>Height NS 35/7,5</b>	47.3 mm
<b>Height NS 35/15</b>	54.8 mm
<b>Height NS 32</b>	52 mm

### Connection data

<b>Conductor cross section solid min.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	16 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	20
<b>Conductor cross section AWG/kcmil max</b>	6
<b>Conductor cross section stranded min.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	10 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	20
<b>Max. AWG conductor cross section, stranded</b>	8
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	10 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	6 mm <sup>2</sup>
<b>2 conductors with same cross section, solid min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, solid max.</b>	4 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded max.</b>	4 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	6 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.</b>	0.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.</b>	2.5 mm <sup>2</sup>
<b>Cross section with insertion bridge, solid max.</b>	10 mm <sup>2</sup>
<b>Cross section with insertion bridge, stranded max.</b>	10 mm <sup>2</sup>

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## Technical data

### Connection data

<b>Connection method</b>	Screw connection
<b>Stripping length</b>	10 mm
<b>Internal cylindrical gage</b>	B 6
<b>Screw thread</b>	M4
<b>Tightening torque, min</b>	1.5 Nm
<b>Tightening torque max</b>	1.8 Nm

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27141120
<b>eCl@ss 4.1</b>	27141120
<b>eCl@ss 5.0</b>	27141120
<b>eCl@ss 5.1</b>	27141120
<b>eCl@ss 6.0</b>	27141120
<b>eCl@ss 7.0</b>	27141120
<b>eCl@ss 8.0</b>	27141120

### ETIM

<b>ETIM 2.0</b>	EC000897
<b>ETIM 3.0</b>	EC000897
<b>ETIM 4.0</b>	EC000897
<b>ETIM 5.0</b>	EC000897

### 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


IECEX / ATEX / FM approved / UL Recognized / cUL Recognized / GL / cULus Recognized / CSA / UL Recognized / KEMA-KEUR / cUL Recognized / LR / GL / BV / DNV / RS / PRS / KR / NK / CCA / cULus Recognized /


### Approval details


<b>IECEX</b>	
Nominal voltage UN	690 V
Nominal current IN	57 A
mm <sup>2</sup> /AWG/kcmil	0.5-10


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## approvals

<b>ATEX</b> 	
Nominal voltage UN	690 V
Nominal current IN	67 A
mm <sup>2</sup> /AWG/kcmil	0.5-16

<b>FM approved</b> 	
Nominal voltage UN	600 V
Nominal current IN	65 A
mm <sup>2</sup> /AWG/kcmil	24-6

<b>UL Recognized</b> 	
Nominal voltage UN	600 V
Nominal current IN	65 A
mm <sup>2</sup> /AWG/kcmil	24-6

<b>cUL Recognized</b> 	
Nominal voltage UN	600 V
Nominal current IN	65 A
mm <sup>2</sup> /AWG/kcmil	24-6

<b>GL</b> 	
Nominal voltage UN	690 V
Nominal current IN	57 A
mm <sup>2</sup> /AWG/kcmil	10

<b>cULus Recognized</b> 	
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# Feed-through terminal block - UK 10 N - 3005073

approvals

Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	65 A	65 A
mm <sup>2</sup> /AWG/kcmil	24-6	24-6

Nominal voltage UN	600 V
Nominal current IN	65 A
mm <sup>2</sup> /AWG/kcmil	24-6

Nominal voltage UN	800 V
Nominal current IN	57 A
mm <sup>2</sup> /AWG/kcmil	10

Nominal voltage UN	600 V
Nominal current IN	65 A
mm <sup>2</sup> /AWG/kcmil	24-6

<b>LR</b>	
Nominal voltage UN	800 V
Nominal current IN	57 A
mm <sup>2</sup> /AWG/kcmil	10

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<b>BV</b>
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# Feed-through terminal block - UK 10 N - 3005073

## approvals

DNV

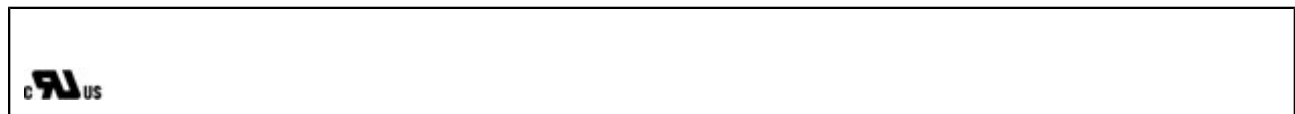
RS

PRS

KR

NK

CCA	
Nominal voltage UN	800 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	10



## accessories

### End cover

D-UK 4/10 - 3003020



D-UK 4/10 BU - 3003101



### Warning label printed

## Feed-through terminal block - UK 10 N - 3005073

accessories

WS 5-10 - 1004429



WS 4-10 - 1004225



**Short-circuit connector**

KSS 10 - 0310541



**Bridge**

STL 10N/5N - 0204110



KB- 10 - 0203205





# Feed-through terminal block - UK 10 N - 3005073

## accessories

FBI 2-10 - 0203483



FBI 10-10 - 0203276



FB 10-10-EX - 0203247



FB 2-10 - 0203195



FB 4-10 - 0203182



FB 10-10 - 0203179



# Feed-through terminal block - UK 10 N - 3005073

## accessories

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FB 3-10 - 0203140



EB 2-10 - 0203153



EB 3-10 - 0203328



EB 10-10 - 0203137



SB 2- 8/13 N - 0200062



# Feed-through terminal block - UK 10 N - 3005073

accessories

EB 2-10 - 0203153



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**Partition plate**

TS-K - 1302215



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**Partition plate**

ATP-UK - 3003224



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**Terminal marking**

SBS10:UNBEDRUCKT - 1007248



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ZB 10:UNBEDRUCKT - 1053001



## Feed-through terminal block - UK 10 N - 3005073

### accessories

UC-TM 10 - 0818069



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UCT-TM 10 - 0829142



### Insulating sleeve

ISSBI 10-10 - 0301521



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PS-IH WH - 0311566



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PS-IH RD - 0311579



## Feed-through terminal block - UK 10 N - 3005073

### accessories

PS-IH BU - 0311582



PS-IH YE - 0311595



PS-IH GN - 0311605



PS-IH GY - 0311621



PS-IH BK - 0311634



PS-IH VT - 0311618



# Feed-through terminal block - UK 10 N - 3005073

accessories

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## Mounting rail

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



## Feed-through terminal block - UK 10 N - 3005073

### 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



## Feed-through terminal block - UK 10 N - 3005073

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





## Feed-through terminal block - UK 10 N - 3005073

### 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



### Labeled terminal marker

## Feed-through terminal block - UK 10 N - 3005073

### accessories

ZB 10 CUS - 0824941



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UC-TM 10 CUS - 0824605



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UCT-TM 10 CUS - 0829623



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### Test plug terminal block

PS-MT - 0311647



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### End block

CLIPFIX 35 - 3022218



## Feed-through terminal block - UK 10 N - 3005073

accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



E/UK 1 - 1201413



**Test socket**

PSBJ 4/15/6 FARBLOS - 0303419



## Feed-through terminal block - UK 10 N - 3005073

### accessories

PSBJ 4/15/6 WH - 0303312



PSBJ 4/15/6 RD - 0303325



PSBJ 4/15/6 BU - 0303354



PSBJ 4/15/6 YE - 0303367



PSBJ 4/15/6 GN - 0303370



PSBJ 4/15/6 VT - 0303383



# Feed-through terminal block - UK 10 N - 3005073

accessories

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PSBJ 4/15/6 GY - 0303396



PSBJ 4/15/6 BK - 0303406



PSB 4/7/6 - 0303299



## Drawings

Circuit diagram

