

# UK 16 N YE - Feed-through terminal block



3000569

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Feed-through terminal block, nom. voltage: 800 V, nominal current: 76 A, number of connections: 2, connection method: Screw connection, Rated cross section: 16 mm<sup>2</sup>, cross section: 2.5 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: yellow

## Your advantages

- 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

## Commercial data

Item number	3000569
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	BE1211
GTIN	4055626139005
Weight per piece (including packing)	23.302 g
Weight per piece (excluding packing)	23.302 g
Country of origin	CN

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## Technical data

### Product properties

Product type	Feed-through terminal block
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	2.43 W

### Connection data

Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>

### Level 1 above 1 below 1

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	11 mm
Internal cylindrical gage	B7
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	2.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	12 ... 4 (converted acc. to IEC)
Conductor cross section flexible	4 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	10 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Cross-section with insertion bridge, rigid	16 mm <sup>2</sup>
Cross-section with insertion bridge, flexible	16 mm <sup>2</sup>
2 conductors with same cross section, solid	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with same cross section, flexible	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Nominal current	76 A
Maximum load current	101 A (with 25 mm <sup>2</sup> conductor cross section)
Nominal voltage	800 V
Nominal cross section	16 mm <sup>2</sup>

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## Ex data

### Rated data (ATEX/IECEX)

Identification	Ⓜ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3006027 D-UK 16
	1205066 SZS 1,0X4,0 VDE
	1201442 E/UK
List of bridges	Fixed bridge / FBI 2-12 / 0200075
	Fixed bridge / FBI 10-12 / 0203454
Bridge data	66 A / 16 mm <sup>2</sup>
Ex temperature increase	40 K (75.1 A / 16 mm <sup>2</sup> )
Rated voltage	690 V
for bridging with bridge	690 V
Rated insulation voltage	630 V
output	(Permanent)

### Ex level General

Rated current	68 A
Maximum load current	91 A
Contact resistance	0.17 mΩ

### Ex connection data General

Torque range	1.5 Nm ... 1.8 Nm
Nominal cross section	16 mm <sup>2</sup>
Rated cross section AWG	6
Connection capacity rigid	2.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Connection capacity AWG	14 ... 4
Connection capacity flexible	4 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection capacity AWG	12 ... 6
2 conductors with same cross section, solid	1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with the same cross-section AWG rigid	16 ... 10
2 conductors with same cross section, stranded	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with the same cross-section AWG flexible	16 ... 12

## Dimensions

Width	12.2 mm
End cover width	1.5 mm
Height	42.5 mm
Depth on NS 32	59 mm
Depth on NS 35/7,5	54 mm
Depth on NS 35/15	61.5 mm

## Material specifications

Color	yellow
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Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 24 h, -60°C to +70°C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

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## Classifications

### ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250101

### ETIM

ETIM 9.0	EC000897
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
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