

Bridgeable PE/N Common Feed Blocks UK...-PE/N

When connecting electrical machine controls installed in a 5-conductor system to the power supply at the site of installation, it is impossible to know in advance whether the connection will involve 4 or 5 conductors.

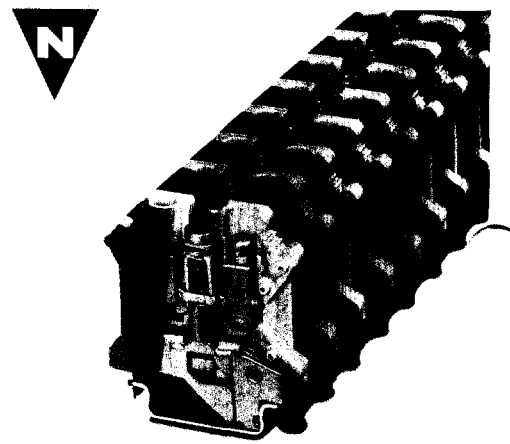
With larger cross sections, a 4-conductor feed is generally encountered, which must then be converted to a 5-conductor system on the terminal strip.

This task is assumed by the UK...-PE/N common feed block. It consists of a green-yellow ground terminal block and a blue neutral terminal block. These are linked together by a special bridge which can be easily removed.

The operating current of the three-phase system is fed via the current bridge; a copper mounting rail is not required. When using the common feed block, the mounting rail serves solely as a grounding bus (PE), and can therefore be made of steel.

When removing the bridge, the fixing screw on the ground terminal block is loosened and then firmly retightened with the small bracket and the spring washer. This is absolutely necessary to ensure a perfect contact with the mounting rail.

The UK...-1-PE/N terminal block has been specially developed for the NS 35/15-2,3 mounting rail.

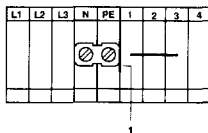


UK 6 N-PE/N

Terminal width 16.4

(IEC) [mm ²]	rigid solid	flexible stranded	I AWG	U [A]	U [V]
IEC 947-7-1/2	0.2-10	0.2-6	24-8	57	400

Current carrying capacity of the mounting rails see page 369.



Description

PE/N common feed block, consisting of green-yellow ground (PE) terminal block and blue neutral terminal block with removable special bridge connection, for mounting on

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- (1) **Separating plate**, for electrical separation of neighboring bridges, can be fitted later, no loss of pitch
- (2) **Zack strip**, 10-section, white

(3) Screwdriver

Dimensions

Width / length	[mm]	16.4 / 42.5
Height (NS 35:7.5 / NS 35:15 / NS 32)	[mm]	47 / 54.5 / 52

Technical data in accordance with IEC / DIN VDE

Maximum load current / cross section	[A] / [mm ²]	57 / 10
Rated surge voltage / contamination class	{kV} / -	6 / 3
Surge voltage category / insulation material group	- / -	III / I

Connection capacity

stranded with ferrule without / with plastic sleeve	[mm ²]	0.25 - 6 / 0.25 - 6
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Multi-conductor connection (2 conductors with same cross section)

solid / stranded	[mm ²]	0.2 - 2.5 / 0.2 - 2.5
stranded with ferrule without plastic sleeve	[mm ²]	0.25 - 1.5
stranded with TWIN ferrule with plastic sleeve	[mm ²]	0.5 - 4

Stripping length

	[mm]	10
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Internal cylindrical gage (IEC 947-1:1988)

		A 5
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Terminal point: thread / torque -/[Nm] M 4 / 1.5 - 1.8

Fastening: thread / torque -/[Nm] M 4 / 1.5 - 1.8

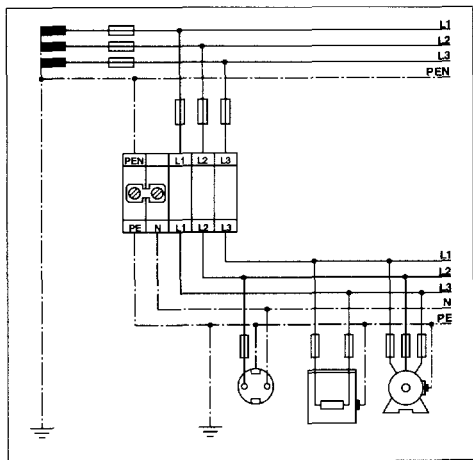
Insulation material PA

Inflammability class acc. to UL 94 V0

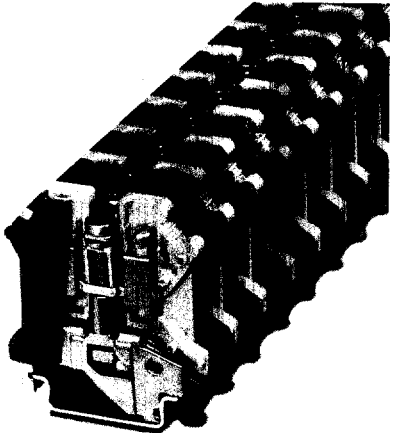
Temperature indices RTI / Ti 130 / 120

Approval data (UL and CSA)

Nom. voltage / nom. current / conduc. sizes	UL: [V] / [A] / AWG	-
	CSA: [V] / [A] / AWG	-



Wiring example of modern TN system

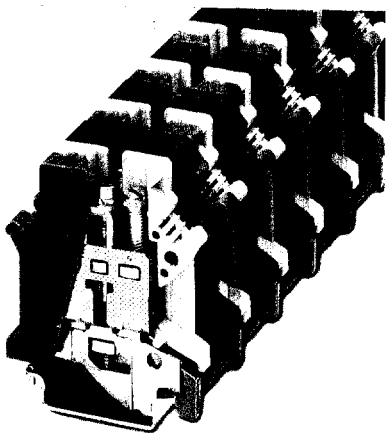


UK 10 N-PE/N

Terminal width 20.4

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 947-7-1/2	0.5-16	0.5-10	20-6	76	250

Current carrying capacity of the mounting rails see page 369.

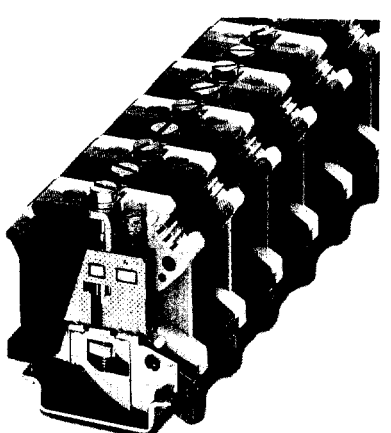


UK 16 N-PE/N

Terminal width 24.4

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 947-7-1/2	2.5-25	4-16	12-4	101	690

Current carrying capacity of the mounting rails see page 369.



UIK 16-PE/N

Terminal width 24.4

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
IEC 947-7-1/2	2.5-25	4.0-16	12-4	101	400

Current carrying capacity of the mounting rails see page 369.

Type	Order No.	Pcs. Pkt.
UK 10 N-PE/N	30 24 74 0	10
UK 10-1 N-PE/N	30 24 50 4	10
TS-K	13 02 21 5	100
ZB 10 (order data, see page 263)		
SZS 1,0 x 4,0	12 05 06 6	10

Type	Order No.	Pcs. Pkt.
UK 16 N-PE/N	30 06 17 9	10
TS-K	13 02 21 5	100
ZB 10 (order data, see page 263)		
SZS 1,0 x 4,0	12 05 06 6	10

Type	Order No.	Pcs. Pkt.
UIK 16-PE/N	30 06 23 4	50
TS-K	13 02 21 5	100
ZB 10 (order data, see page 263)		
SZS 1,0 x 4,0	12 05 06 6	10

20.4 / 42.5
47 / 54.5 / 52
76 / 16
4 / 3
III / I
0.5 - 10 / 0.5 - 6
0.5 - 4 / 0.5 - 4
0.5 - 2.5
0.5 - 6
10
B 6
M 4 / 1.5 - 1.8
M 4 / 1.5 - 1.8
PA
V2
125 / 100
-
-

24.4 / 42.5
54 / 61.5 / 59
101 / 25
8 / 3
III / I
1.5 - 16 / 1.5 - 16
1.5 - 6 / 1.5 - 4
1.5 - 6
1.5 - 10
11
B 7
M 4 / 1.5 - 1.8
M 4 / 1.5 - 1.8
PA
V2
125 / 100
-
-

24.4 / 42.5
47 / 54.5 / 52
101 / 25
6 / 3
III / I
1.5 - 16 / 1.5 - 16
1.5 - 6 / 1.5 - 4
1.5 - 6
1.5 - 10
11
B 7
M 4 / 1.5 - 1.8
M 4 / 1.5 - 1.8
PA
V2
125 / 100
-
-