

Motor Terminal Block ST 4-PE/3L

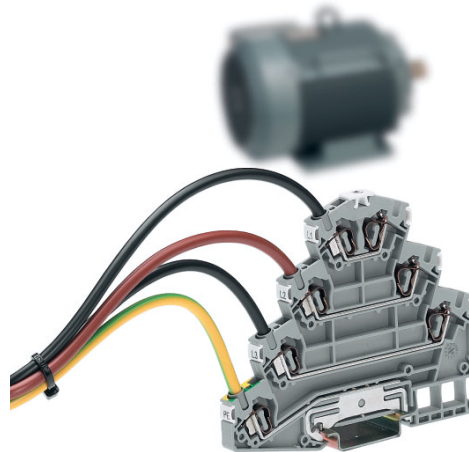
Three phases plus PE in one terminal block

With ST 4-PE/3L, Phoenix Contact can now also offer a four-level spring-cage terminal block for conductor cross sections of up to 4 mm². As in the 2.5 mm² version, it is also possible to wire three phases and the PE in one terminal block.

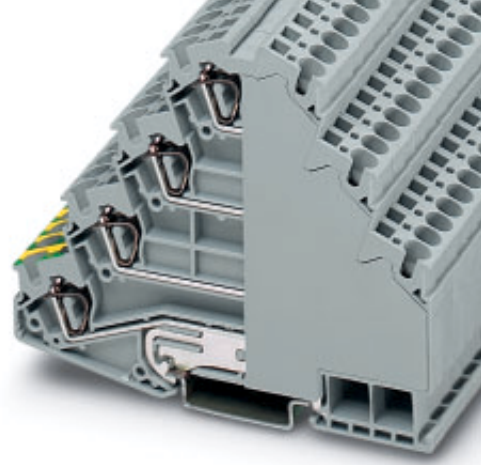
The PE contact to the DIN rail is established by simply snapping it on. The ST 4-PE/3L is therefore particularly suited for space-saving wiring of three-phase motors.

The nominal conductor cross section of 4 mm² can also be connected without problems even when ferrules are used. With 28 amps per conductor, a nominal voltage of 800 V, and a width of a mere 6.2 mm, this terminal block is ideal for applications in the field of drive and conveyor engineering.

The ST 4-PE/3L can also be labeled and tested at every terminal point. The easy-to-read labeling in the terminal center makes it much simpler to clearly determine which load circuit it belongs to.



Motor terminal block ST 4-PE/3L



(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
Connection data	0.08-6	0.08-4	28-10	28	800

Technical data

Spring-cage terminal block,
for mounting on  gray terminal width 6.2

2.3 mm Ø test plug ¹⁾, consisting of metal part and red insulating sleeve



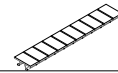
Screwdriver,
for actuating the tension spring



Zack strip,
flat, for labeling the outer marker grooves white



Zack strip,
10-section, for labeling in the terminal center white



Dimensions

Width / length / end cover width [mm]

Height (NS 35/7,5 / NS 35/15) [mm]

Technical data in accordance with IEC/ DIN VDE

Maximum load current / cross section [A] / [mm²]

Rated surge voltage / contamination class [kV] / -

Surge voltage category / insulating material group - / -

Connection capacity

Stranded with ferrule with plastic sleeve [mm²]

Stranded with ferrule without plastic sleeve [mm²]

Stranded with TWIN ferrule with plastic sleeve [mm²]

Stripping length [mm]

Internal cylindrical gauge (IEC 60 947-1)

Insulating material

Inflammability class in acc. with UL 94

Approval data (UL and CSA/CUL)

Nominal voltage / current / conductor sizes UL: [V] / [A] / AWG

CSA/CUL: [V] / [A] / AWG

Type	Order No.	Pcs. Pkt.
ST 4-PE/3L	30 38 33 8	50
MPS-RD	02 01 55 3	10
SZF 1 - 0,6 x 3,5	12 04 51 7	10
ZBF 6:UNBEDRUCKT	08 08 71 0	10
ZB 6:UNBEDRUCKT	10 51 00 3	10
6.2 / 101 / enclosed housing		
83.5 / 91		
32 / 6		
8 / 3		
III / I		
0.25 - 4		
0.25 - 4		
0.5 - 1		
10		
A 4		
PA		
V0		
-		
-		

¹⁾ Further colors on request.

Additional technical data

Voltage drop over two terminal points (DIN EN 60 947-7-1/2)

≤ 3.2 mV

Rise in temperature (DIN EN 60 947-7-1/2)

≤ 45 K

Immunity to vibration (DIN EN 60 068-2-6:1996-05)

- Frequency
- Amplitude
- Acceleration
- Duration per axis

10-150 Hz
0.35 mm (10-60 Hz)
50 m/s²
2.5 h

Resistance to industrial atmospheres (DIN 50 018:1997-06)

- Level
- No. of cycles

KFW 1.0 S
2

Assessment of fire risk

(DIN EN 60 695-2-11/VDE 0471 Part 2-11:2001-11)

- Test temperature
- Duration

960°C
30 s
