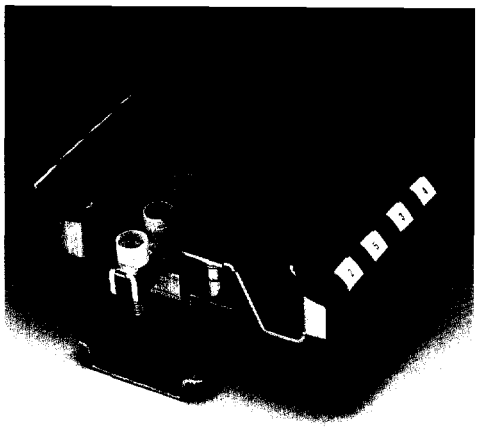
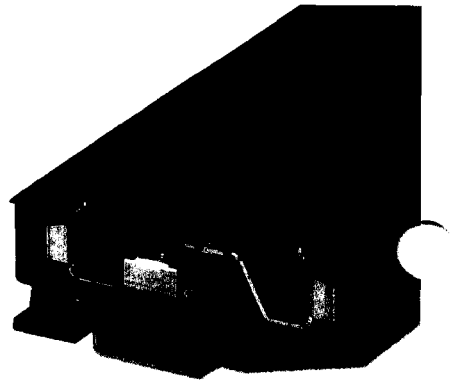
Spring Cage Fuse Terminal Blocks





ZFK 6-DREHSI

for fuse inserts

Terminal width 12.0

	(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611						
as disconnect terminal		0.5-10	0.5-6	20-8	10	800
with fuse		0.5-10	0.5-6	20-8	[1]	[1]

Spring cage fuse terminal blocks from Phoenix Contact satisfy two important basic tasks of connection systems. Firstly, they hold fuses and secondly, they take on the task of power distribution.

The terminal block types ZFK 6-DREHSI and ZFK 4-HESI are available for the fuse sizes 5 x 20 mm and 6.3 x 32 mm that are standard in electrical engineering. They can also be ordered as variants with additional light indicator for the above fuses.

The second task of power distribution is fulfilled using fixed bridges. These distribute the incoming power before the actual fuse on a terminal group.

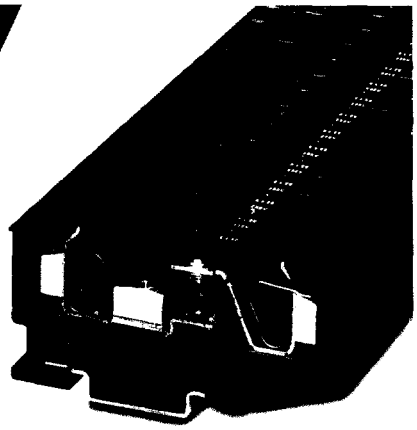
Description	Light indicator: Voltage [V AC/DC]	Current [mA]	Type		Order No.	Pcs. Pkt.
Fuse terminal block, for assembly on ⊔, for fuse cartridges 5 x 20 or 6.3 x 32 mm			**ZFK 6-DREHSI (5 x 20)**		**30 25 04 0**	50
			ZFK 6-DREHSI (6,3 x 32)		**30 25 27 3**	50
Fuse terminal block, as above, however, with light indicator, for:	15 - 30	1 - 2.5				
Fuse terminal block, as above, however, with light indicator, for:	110 - 250	0.5 - 1.1				
(1) **Fixed bridge,** for cross connections in the terminal center, screw heads with insulating collar, 10-pos., divisible, with 10 screws			**FBI 10-12**	$I_{max.}$: 57 A	**02 03 45 4**	10
(2) **Separating plate,** for electrical separation of neighboring bridges, can be fitted later, no loss of pitch			**TS-KK 3**		**27 70 21 5**	100
(3) **Screwdriver,** for releasing the tension spring, length: 180 mm			**SZF 2 - 0,8 x 4,0**		**12 04 52 0**	1
(4) **Zack marker sheet, flat,** 50-section, for labelling in the marker groove			**ZBFM 8** (order data, see page 265)			

Dimensions		
Width / length	[mm]	12 / 86.5
Height (NS 35:7.5 / NS 35:15)	[mm]	56.5 / 64
Technical data in accordance with IEC/ DIN VDE		
Fuse type / dimensions	– / [mm]	G / 5 x 20, 6.3 x 32
Max. power dissipation		
at 23 °C acc. to E DIN VDE 0611-6:1995-05	[W]	[1]
Maximum load current / cross section	[A] / [mm²]	10 / 10
Rated surge voltage / contamination class	[kV] / –	4 / 3
Surge voltage category / insulation material group	– / –	III / I
Connection capacity		
stranded with ferrule with plastic sleeve	[mm²]	0.5 - 6
stranded with ferrule without plastic sleeve	[mm²]	0.5 - 6
stranded with TWIN ferrule with plastic sleeve	[mm²]	0.5 - 1.5
Stripping length	[mm]	12
Internal cylindrical gage (IEC 947-1:1988)		A 5
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 / conductor sizes	UL: [V] / [A] / AWG	–
	CSA: [V] / [A] / AWG	–

[1] See table 99/1 (the current is determined by the fuse, the voltage by the light indicator).

Attention:
The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridges fuse. The thermal conditions in closed fuse holders should be checked according to the application and installation.

Higher ambient temperatures
are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.



ZFK 6-DREHSILED

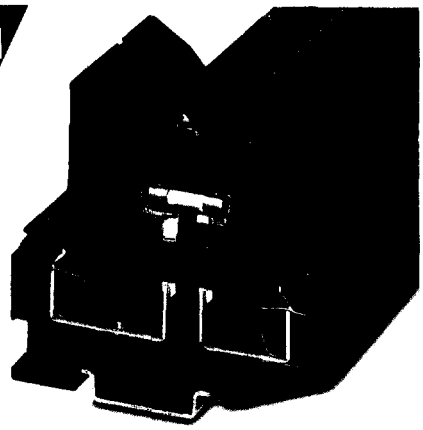
for cartridge fuse inserts, with light indicator

Terminal width 12.0

	(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611						
as disconnect terminal	0.5-10		0.5-6	20-8	10	800
with fuse	0.5-10		0.5-6	20-8	1)	1)

Type		Order No.	Pcs. Pkt.
ZFK 6-DREHSILED 24 (5 x 20)		**30 25 60 0**	50
ZFK 6-DREHSILED 24 (6,3 x 32)		**30 25 58 7**	50
ZFK 6-DREHSILA 250 (5 x 20)		**30 25 59 0**	50
ZFK 6-DREHSILA 250 (6,3 x 32)		**30 25 57 4**	50
FBI 10-12	$I_{max.}$: 57 A	**02 03 45 4**	10
S-KK 3		**27 70 21 5**	100
SZF 2 - 0,8 x 4,0		**12 04 52 0**	1
ZBFM 8 *(order data, see page 265)*			

	12 / 86.5 56.5 / 64
	G / 5 x 20, 6.3 x 32
	1) 10 / 10 4 / 3 III / I
	0.5 - 6 0.5 - 6 0.5 - 1.5 12 A 5 PA V0 130 / 120
	– –



ZFK 4-HESI 5 x 20

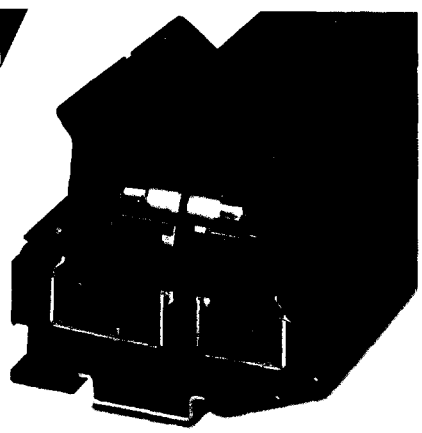
for 5 x 20 mm cartridge fuse inserts

Terminal width 8.2

	(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611						
as disconnect terminal	0.5-6		0.5-4	20-10	6,3	400
with fuse	0.5-6		0.5-4	20-10	1)	1)

Type		Order No.	Pcs. Pkt.
ZFK 4-HESI (5 x 20)		**30 25 45 1**	50
ZFK 4-HESILED 24 (5 x 20)		**30 25 36 7**	50
ZFK 4-HESILA 250 (5 x 20)		**30 25 37 0**	50
FBRI 10-8 N	$I_{max.}$: 41 A	**27 72 08 0**	10
TS-KK 3		**27 70 21 5**	100
SZF 1 - 0,6 x 3,5		**12 04 51 7**	1
ZBFM 8 *(order data, see page 265)*			

	8.2 / 82 65.5 / 73
	G / 5 x 20
	1) 6.3 / 6 6 / 3 III / I
	0.5 - 4 0.5 - 4 0.5 - 1 8 A 4 PA V0 130 / 120
	– –



ZFK 4-HESI 6,3 x 32

for 6.3 x 32 mm cartridge fuse inserts

Terminal width 8.2

	(IEC) [mm²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
DIN VDE 0611						
as disconnect terminal	0.5-6		0.5-4	20-10	6.3	400
with fuse	0.5-6		0.5-4	20-10	1)	1)

Type		Order No.	Pcs. Pkt.
ZFK 4-HESI (6,3 x 32)		**30 25 46 4**	50
ZFK 4-HESILED 24 (6,3 x 32)		**30 25 38 3**	50
ZFK 4-HESILA 250 (6,3 x 32)		**30 25 39 6**	50
FBRI 10-8 N	$I_{max.}$: 41 A	**27 72 08 0**	10
TS-KK 3		**27 70 21 5**	100
SZF 2 - 0,8 x 4,0		**12 04 52 0**	1
ZBFM 8 *(order data, see page 265)*			

	8.2 / 82 65.5 / 73
	G / 6.3 x 32
	1) 6.3 / 6 6 / 3 III / I
	0.5 - 4 0.5 - 4 0.5 - 1 8 A 4 PA V0 130 / 120
	– –

Table 99/1

Terminal block type	U [V]	Surge voltage protection Single	Surge voltage protection Interconnected	Short-circuit protection only Single	Short-circuit protection only Interconnected
ZFK 6-DREHSI (5 x 20)	250	4 W/6.3 A	2.5 W/6.3 A	4 W/6.3 A	4 W/6.3 A
ZFK 6-DREHSI (6.3 x 32)	500	2.5 W/2.5 A	2.5 W/2.5 A	4 W/10 A	2.5 W/2.5 A
ZFK 4-HESI (5 x 20)	400	1.6 W/6.3 A	1.6 W/6.3 A	4 W/6.3 A	1.6 W/6.3 A
ZFK 4-HESI (6.3 x 32)	400	2.5 W/2.5 A	1.6 W/1 A	4 W/10 A	2.5 W/2.5 A