

## REINFORCED PA 6.6 DISCONNECT TERMINALS "RK, BK, GK" range, funnel entry



### **Description:**

'RK, BK, GK' type terminals are designed to offer improved mechanical and electrical integrity under heavy-duty application. This is achieved via a Copper sleeve located between the Brass barrel and Polyamide insulation of the terminal. The funnel shape of this sleeve is designed to provide 'easy entry' of stranded conductor by smoothing the internal path. Then, during crimping, the insulation of the conductor is integrated into the crimp due to the Copper sleeve being deformed around it to maintain the level of 'grip' required in applications subject to continuous mechanical vibrations (e.g. mobile plant, vehicles, moving components).

### **Technical details:**

- The connectors are manufactured from brass P-Cu Zn 30 UNI 4895/1962 (corresponding to: Cu Zn 30 DIN 17660/1974 ; Cu Zn 30 NFA51-101/1977) fulfil the IEC 760 requirements
- The reinforcement tube is made of copper SF Cu DIN 1787/1973, F25
- Main characteristics of the PA6.6 sleeve:
 

- DIELECTRIC STRENGTH (kV/mm)	: >16,5
- VOLUME RESISTIVITY ( $\Omega/cm$ )	: $>10^{13}$
- MAX OPERATING TEMPERATURE ( $^{\circ}C$ )	: 105
- FLAMMABILITY' (UL-94)	: V-2
- DENSITY ( $g/cm^3$ )	: 1,14
- WATER ABSORPTION (%)	: 1,5
- BREAKING LOAD ( $N/mm^2$ )	: 77
- "RK, BK, GK" type terminals can be used within the following temperature range:  $-20 \div +105^{\circ}C$  (Surge  $+110^{\circ}C$ )
- "RK, BK, GK" type terminals can be stored at a minimum temperature not below  $-40^{\circ}C$ .

### **Cembre SpA**

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### Sections and Dimensions:

*female connectors, fully reinforced with copper sleeve*




#### PA6.6 insulated terminals

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)	 RKF-F 305	2,8 x 0,5	3.500/100
	 RKF-F 308	2,8 x 0,8	3.500/100
	 RKF-F 405	4,8 x 0,5	3.000/100
	 RKF-F 408	4,8 x 0,8	3.000/100
1,5÷2,5 (16÷14)	 BKF-F 405	4,8 x 0,5	3.000/100
	 BKF-F 408	4,8 x 0,8	3.000/100
4÷6 (12÷10)	 GK-F 608	6,35 x 0,8	1.500/100



#### PA6.6 fully insulated terminals

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)	 RKF-F 405P	4,8 x 0,5	2.500/100
	 RKF-F 408P	4,8 x 0,8	2.000/100
1,5÷2,5 (16÷14)	 BKF-F 405P	4,8 x 0,5	2.000/100
	 BKF-F 408P	4,8 x 0,8	2.000/100
4÷6 (12÷10)	 GK-F 608P	6,35 x 0,8	1.000/100





*male connectors, fully reinforced with copper sleeve - PA6.6 insulated terminals*

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)	 RKF-M 608	6,35 x 0,8	3.000/100
1,5÷2,5 (16÷14)	 BKF-M 608	6,35 x 0,8	2.500/100
4÷6 (12÷10)	 GKF-M 608	6,35 x 0,8	1.000/100

*male/female connectors, fully reinforced with copper sleeve - PA6.6 insulated terminals*

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)	 RKF-FM 608	6,35 x 0,8	1.500/100
1,5÷2,5 (16÷14)	 BKF-FM 608	6,35 x 0,8	1.500/100

*bullet and socket connectors  
fully reinforced with copper sleeve  
PA6.6 insulated terminals*

Cond. Size sqmm (AWG)	Ref.	Ø mm	Quantity Box/Bag
0,25÷1,5 (22÷16)	 RKF-BM 4	4	2.500/100
	 RKF-BF 4	4	1.000/100
1,5÷2,5 (16÷14)	 BKF-BM 4	4	2.000/100
	 BKF-BF 4	4	800/100

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