

PRODUCT DATA SHEET

PC INSULATED DISCONNECT TERMINALS partially reinforced with copper sleeve

HALOGEN FREE



Description:

The PC insulated disconnect terminals has been designed, to meet the increasing demands for improved safety and reliability of electrical connectors.

The polycarbonate insulation, is a halogen free, self extinguishing thermoplastic material class V0 (UL 94). The unique funnel shaped entry of the insulation sleeve, guarantees total insertion of the conductor strands into the terminal barrel, creating a secure and reliable, electrical and mechanical connection.

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) according to IEC 760 norms and are tin plated with a minimum thickness of 3µm.
- The reinforcement tube is made of copper SF Cu DIN 1787/1973, F25
- Main characteristics of the PC sleeves:
 - DIELECTRIC STRENGTH (KV/mm) : >30
 - VOLUME RESISTIVITY (Ω/cm) : >10¹⁶
 - MAX OPERATING TEMPERATURE (°C) : 115÷130
 - FLAMMABILITY (UL-94) : V0
 - DENSITY (g/cm³) : 1,2
 - WATER ABSORPTION (%) : 0,15
 - BREAKING LOAD (N/mm²) : >65
- The connectors can be used within the following temperature range: - 20 ÷ + 115 °C (Surge + 130° C)

Markings:



B T Directive EEC 73/23 (modified by EEC 93/68)



According to UL 310 standard (file 212000)





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Sections and Dimensions:

FEMALE DISCONNECT TERMINALS

Polycarbonate insulated terminals - partially reinforced with Copper sleeve

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)		2,8 x 0,5	3.000/100
		2,8 x 0,8	3.000/100
		4,8 x 0,5	2.500/100
		4,8 x 0,8	2.500/100
1,5÷2,5 (16÷14)		4,8 x 0,5	2.500/100
		6,35 x 0,8	1.500/100
		6,35 x 0,8	1.000/100



Polycarbonate fully insulated terminals - partially reinforced with Copper sleeve

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)		2,8 x 0,5	2.000/100
		2,8 x 0,8	2.000/100
		4,8 x 0,5	1.500/100
		4,8 x 0,8	1.500/100
1,5÷2,5 (16÷14)		4,8 x 0,5	1.500/100
		6,35 x 0,8	1.000/100
		6,35 x 0,8	800/100


*Not UL approved

MALE DISCONNECT TERMINALS

Polycarbonate insulated terminals - partially reinforced with Copper sleeve

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


Polycarbonate fully insulated terminals - partially reinforced with Copper sleeve

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)		* 6,35 x 0,8	1.000/100
1,5÷2,5 (16÷14)		* 6,35 x 0,8	1.000/100

*Not UL approved



MALE/FEMALE CONNECTORS

Polycarbonate insulated terminals - partially reinforced with Copper sleeve

Cond. Size sqmm (AWG)	Ref.	Tab Size	Quantity Box/Bag
0,25÷1,5 (22÷16)		6,35 x 0,8	1.000/100
1,5÷2,5 (16÷14)		6,35 x 0,8	1.500/100

BULLET AND SOCKET CONNECTORS

Polycarbonate insulated terminals - partially reinforced with Copper sleeve

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

*Not UL approved