High Voltage heavy duty connector 2+10 pole

High Voltage heavy duty connector for connection of uv-lamps, upt o AC 4,5kV and 30A

High Protection High Voltage modules

The new HiPro HV module offers an essentially improved version of the modular plug system in high voltage connectors. The crimp snap-in contacts offers the possibility to connect different wire cross-sections which increases the individual usability of this module.
This is a heavy duty connector, which is useful for nearly all uv lamps from small 1 kW up to 60 kW lamps and more. It could be used e.g. to connect reflector units in uv dryers or to connect cables directly to the switch cabinet.

A002586

A002585

Features

- low security-risk through sunk pins while connectors are unplugged
- low damage-risk through conclusive integration in the module-framework
- inferior space required through parallel-order
- increased insulation voltage, testing voltage DC 18 kV,
- crimped contacts for conductors from 0.5 mm² to 4.0 mm², AWG 20 to AWG 12,
- easy montages / dismantling - conductor becomes crimped with the contact. The contact is plugged into the insulator and locked by snap-in.

Technical data

Art. No.	Socket shell	A002585
	Mounting case	A002586
Poles	High voltage contacts	2
	Control contacts	10
Operating voltage	High voltage contacts	DC 18 kV (insulation test voltage)
		DC 6,5 kV / AC 4,5 kV (operating voltage).
	Control contacts	AC 250 V
Operating current	High voltage contacts	30A up to 60°C, 20 A at 100°C
		13A at 110 °C
	Control contacts	10A at 20°C, ~ 8 A at 60°C
Conductance	High voltage contacts	< 5 mΩ
IP protection degree	IP 65 in plugged and locked condition	
Mechanical life time	approx. 500 matching cycles, connected without load	
Housing	heavy duty aluminum case	
Isolation body	High voltage contacts	Teflon
	Control contacts	Thermoplastics
Contact material	copper alloy, surface silver and/or nickel plated	
Operating temperature range	-40°C to +125°C	
Cable connection	High voltage contacts and control contacts	crimp contacts (also solder able)
Pre-connection contacts	high voltage contacts first (before control contacts)	
According to	High voltage contacts	Operating volt. DC acc. VDE 0110 part 1
	Control contacts	DIN EN 60 664-1, DIN EN 61 984

When disconnecting the high voltage contacts are disconnected at last, so it is possible to use control contacts to switch of high voltage before these contacts are opened.

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