

Heavy Duty Power Connector Inserts & Modules

Features

- 10P+E Female Insert 16A 250V 50-60Hz Screw A Series - 10A Size.
- 10P+E Male Insert 16A 250V 50-60Hz Screw A Series - 10A Size.
- 10A Hood Alum.Single Lever w/o Latch Black IP65 Side Ent.M20
- 10A Housing Bulkhead Mount. Alum.Single Lever w/Plastic Latch Black IP65

RS PRO Industrial Power Connectors

RS Stock No.: 457-222



Representative Photo

RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Heavy Duty Power Connector Inserts & Modules

Product Description

- Heavy-duty connectors with inserts and aluminum hoods are designed for industrial automation, power distribution, transportation, and harsh environments like mining and construction, ensuring reliable electrical connections in demanding conditions. They are commonly used with industrial cables, control panels, and heavy-duty electrical components such as contactors and relays. However, they are not suited for high-frequency data transmission or light-duty consumer electronics, as they are built for durability rather than delicate signal integrity or small-scale applications.

General Specifications

Flammability acc. to UL 94	V 0
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	Polycarbonate
Material (Contacts)	Brass (Silver Plated)

Mechanical Specifications

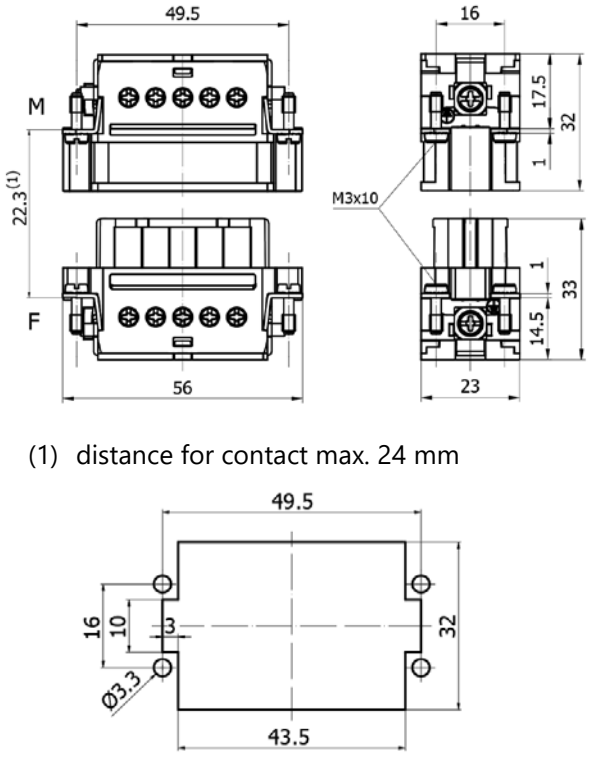
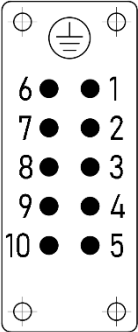
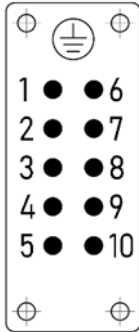
Termination	Screw terminal
Cable Entry	Back
Electrical Data	
acc. to EN 61984	10 A 250 V 4 kV 3
Wire Gauge	0.75 2.5 mm ²
Stripping Length	7 mm
Tightening Torque	0.5 Nm
Mechanical Working Life	≥500
AWG	18-14
Insulation Resistance	≥10 ¹⁰ Ω
Contact Resistance	≤1 mΩ

General Specifications Hoods

Material	Aluminum	Polycarbonate
Colour	RAL 7040 (grey) - RAL 9005 (black)	RAL 7032 (light grey) - RAL 9005 (black)
Surface	Powder-coated	-
Locking Element	Stainless steel	Polyamide
Lever Type	Steel	Lever , plastic
Hoods/Housing Seal	NBR	NBR

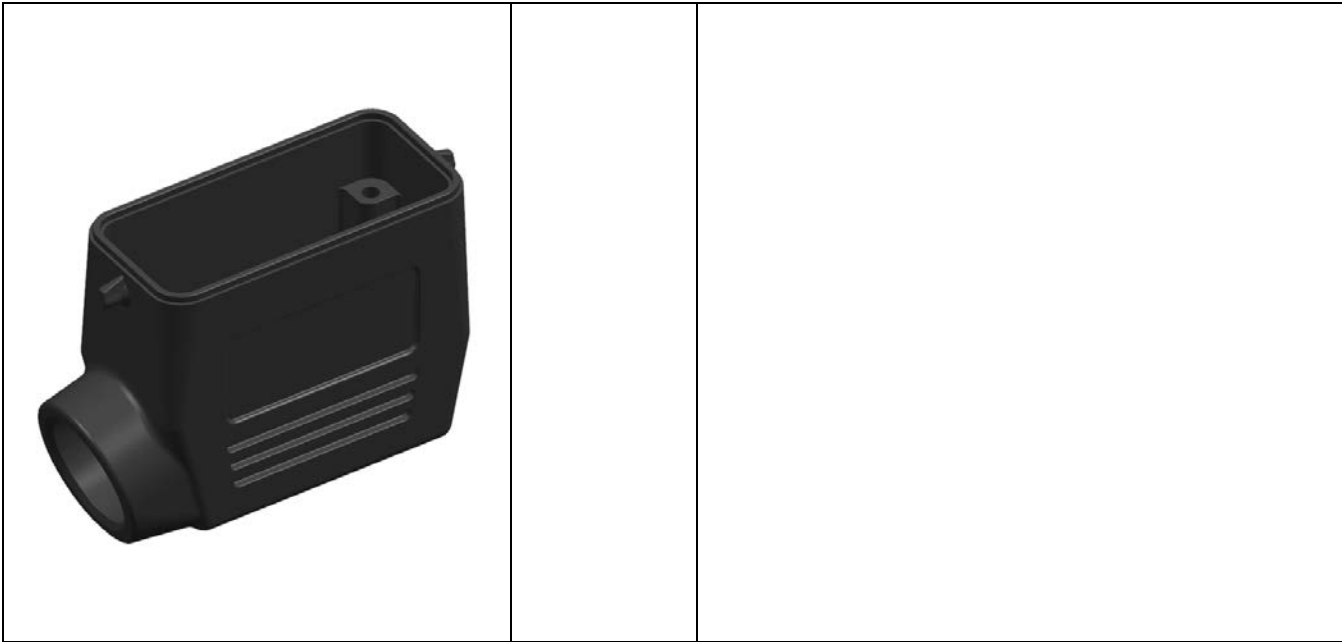
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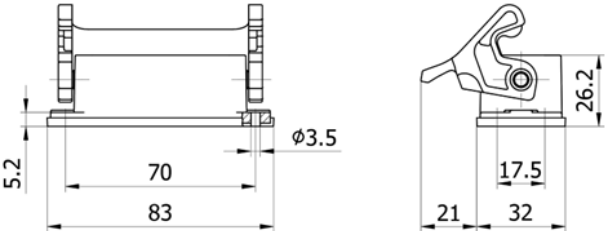
Limiting temperatures	-40 °C... +125 °C	-40 °C... +125 °C
Degree of protection acc. to DIN EN 60 529 for coupled connector	IP65	IP65

RS Pro 10 A 16 A 250 V 4 kV 3		10 A
Male insert (M)	Female insert (F)	
Part Number: 457-196	Part Number: 457-195	
		
		
Male	Female	

RS Pro 3 A Hoods/Housings		10 A
Hood	Cable Entry	
Part Number:	1x M20	

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RS Pro 3 A Hoods/Housings		10 A
Housing (Surface Mounting)	Cable Entry	
Part Number:	-	
		