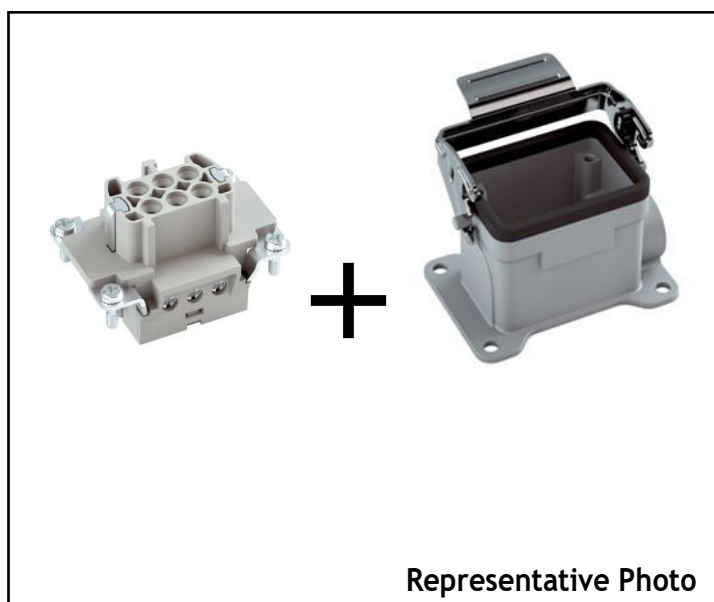


Features

- 6P+E Female Insert
16A 500V 50-60Hz
Screw E Series - 6B
Size.
- 6B Housing Surface
Mount. Alum.Single
Lever w/Plastic Latch
Grey IP65

RS PRO Industrial Power Connectors

RS Stock No.: 457281



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.

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

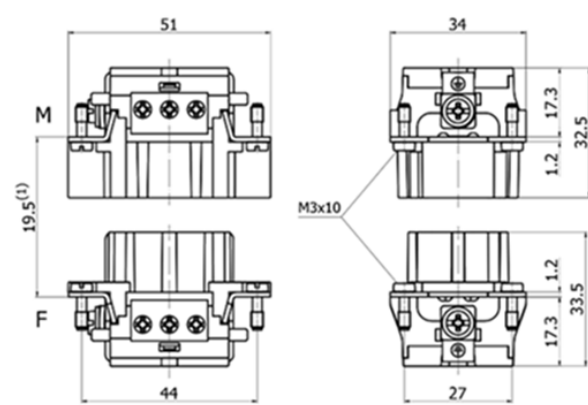
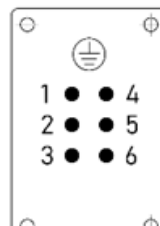
Flammability acc. to UL 94	V 0
Limiting temperature	-40 ... +125 °C
Mating cycles	≥500
Material (insert)	PBT
Material (Contacts)	Brass (Silver Plated)

Mechanical Specifications

Termination	Screw terminal
Cable Entry	Back
Electrical Data	
acc. to EN 61984	16 A 500 V 6 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 7037 (grey)	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
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 6 E 16 A 500 V 6 kV 3		6 B
Female insert (F)		
Part Number: 457192		
  Female		
		(1) distance for contact max. 21mm