

## Features

- 6P+E Male Insert 16A 500V 50-60Hz Screw E Series - 6B Size.
- 6B Hood Alum.Single Lever w/o Latch Grey IP65 Side Ent.PG13.5

## RS PRO Industrial Power Connectors

RS Stock No.: 457234



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.

## 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

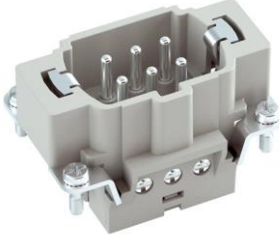
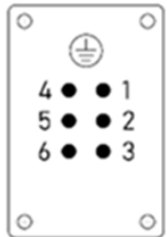
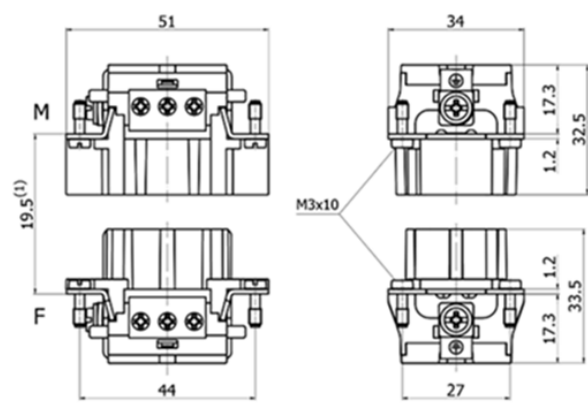
|                            |                       |
|----------------------------|-----------------------|
| Flammability acc. to UL 94 | V 0                   |
| Limiting temperature       | -40 ... +125 °C       |
| Mating cycles              | ≥500                  |
| Material (insert)          | 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 <sup>2</sup> |
| Stripping Length        | 7 mm                         |
| Tightening Torque       | 0.5 Nm                       |
| Mechanical Working Life | ≥500                         |
| AWG                     | 18-14                        |
| Insulation resistance   | ≥10 <sup>10</sup> 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                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Male insert (M)</b><br><b>Part Number: 457230</b>                                                                                                                                                               |                                                                                                                              |
| <br><br> <p style="text-align: center;">Male</p> |  <p>(1) distance for contact max. 21mm</p> |