

## Datasheet

# Red Cable Mount Female 3P+N+E Straight Industrial Power Plug Rated At 63A, 346 → 415 V

RS Stock number [780-0816](#)

### > SWITCHED INTERLOCKED SOCKET OUTLETS



### > REFERENCE STANDARDS

#### EN 60309-1

Plugs, socket outlets and couplers for industrial purposes.  
*Part 1: general requirements.*



#### EN 60309-2

Plugs, socket outlets and couplers for industrial purposes.  
*Part 2: dimensional interchangeability requirements for pin and contact-tube accessories of harmonised configurations.*

#### EN 60309-4

Plugs, socket-outlets and couplers for industrial purposes.  
*Part 4: Switched socket-outlets and connectors with or without interlock.*

### > VERSIONS WITH MECHANICAL INTERLOCK

|   |                                   |
|---|-----------------------------------|
|  | With switch-disconnector          |
|  | With switch-disconnector and fuse |

### > TECHNICAL CHARACTERISTICS

|  |                       |
|--|-----------------------|
| Rated current:   | <b>16A-32A-63A</b>    |
| Rated voltage:   | <b>100÷690V~</b>      |
| Frequency:   | <b>50÷60Hz</b>        |
| Insulating voltage:  | <b>500/690V~</b>      |
| Protection degree:   | <b>IP66/IP67</b>      |
| Operating temperature according to the reference standard: | <b>-25°C +40°C</b>    |
| Minimum operating temperature:                             | <b>-40°C</b>          |
| Max. operating temperature:                                | <b>+60°C</b>          |
| Self-extinguishing GW test:                                | <b>960°C</b>          |
| Self-extinguishing UL94:                                   | <b>V0</b>             |
| Material:  | <b>Thermosetting</b>  |
| IK degree at 20°C:   | <b>IK10 (20J)</b>     |
| Switch-disconnectors 16A-32A-63A:                          | <b>COMMAND Series</b> |
| Fuse:  |                       |
| 16A-32A  | <b>gG 10,3x38mm</b>   |
| 63A  | <b>gG 22x58mm</b>     |
| Colour:  | <b>Grey RAL7037</b>   |

**> BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS**

| Saline solution | Acids              |           | Bases              |           | Solvents  |           |           |           | Mineral oil | UV rays   |
|-----------------|--------------------|-----------|--------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|
|                 | Concentrated       | Diluted   | Concentrated       | Diluted   | Hexane    | Benzol    | Acetone   | Alcohol   |             |           |
| Resistant       | Limited Resistance | Resistant | Limited Resistance | Resistant | Resistant | Resistant | Resistant | Resistant | Resistant   | Resistant |

For specific substances please contact our technical service.

**> CABLE ENTRY**

Maximum entry with cable glands

| Rated current (A) | Single socket |       | Socket with switchboard |       |      |
|-------------------|---------------|-------|-------------------------|-------|------|
|                   | Upper         | Lower | Upper                   | Lower | Side |
| 16A / 32A         | M32           | M32   | M32                     | M32   | M32  |
| 63A               | M40           | M40   | M40                     | M40   | M32  |

**> WIRING OPERATIONS**

Wiring capacity of the terminals (mm<sup>2</sup>)

| Rated current (A) | Socket outlets |     | Plugs |     |
|-------------------|----------------|-----|-------|-----|
|                   | Min            | Max | Min   | Max |
| 16A               | 1,5            | 4   | 1     | 2,5 |
| 32A               | 2,5            | 10  | 2,5   | 6   |
| 63A               | 6              | 25  | 6     | 16  |

**> PADLOCK TO BE USED**

Choice of padlock for socket knob, fuse door and switchboard door

| Rated current (A) | Padlock arc diameter (mm) |
|-------------------|---------------------------|
| 16A-32A           | 5                         |
| 63A               | 6,3                       |
| 125A              | 6,3                       |

