

INDUSTRIAL PLUGS AND SOCKETS



VERSIONS

| | |
|--|---------------------------------|
| | Plugs |
| | Connectors |
| | Appliance inlets |
| | Flush mounting socket outlets |
| | Surface mounting socket outlets |

REFERENCE STANDARDS

EN 60309-1
Plugs, socket-outlets and couplers for industrial purposes.
Part 1: general requirements.

QUALITY MARKS



TECHNICAL CHARACTERISTICS

| | |
|--|----------------------------|
| Rated current: | 16A-32A |
| Rated voltage: | 100÷690V~ |
| Frequency: | 50÷500Hz |
| Insulating voltage: | 500/690V~ |
| Protection degree: | IP44 - IP66/IP67 |
| Operating ambient temperature according to the reference standard: | -25°C +40°C |
| Max operating ambient temperature: | 60°C |
| Glow Wire test: | 650°C/850°C |
| Material: | Engineering plastic |
| IK degree at 20°C: | IK08 |
| Cable inlets: | Cable gland |
| Halogen free: | Yes |
| Snap-on device: | 16A-32A |
| Nickel-plated pins: | 16A-32A |

APPLICATION

- Star delta connections
- Tapped winding connections
- Monitoring
- Controlling and actuation
- Electrical interlocks

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 | Resistant | Resistant | Not Resistant | Not Resistant | Not Resistant | Limited Resistance | Limited Resistance | Limited Resistance |

WIRING AND INSTALLATION

Wiring capacity of the terminals (mm²)

Max. cable size accepted by the cable clamp:

| Rated voltage | Rated current (A) | Plugs and connectors | | Appliance inlets and socket outlets | |
|---------------|-------------------|----------------------|-----|-------------------------------------|-----|
| | | Min | Max | Min | Max |
| Over 50V | 16A | 1 | 2,5 | 1,5 | 4 |
| | 32A | 2,5 | 6 | 2,5 | 10 |

| Rated current (A) | Outside Ø mm | |
|-------------------|--------------|-----|
| | Min | Max |
| 16A | 8 | 16 |
| 32A | 11,5 | 22 |

APPLICATION EXAMPLES

