



Type 2 socket, compliant to IEC 62196-1 and IEC 62196-2 regulations, made for IEC 618581 regulation compliant EV charging, equipped with security shutters (IPXXD protection), double drain system for water, vandal-proof mechanism made by gate-valves that avoid unauthorized users to access electrical parts and by a locking actuator that has the double aim to block gate-valves and to lock the plug during the charging session. Gate-valves are opened by the insertion of the plug in the socket; they are automatically closed as long as the plug is removed at the end of each charging session. This socket is equipped with three micro-contacts that check whether valves are opened or closed and whether locking actuator is engaged or not and a white LED that helps making mating easier. Socket with radial cable entry.

|                                    |                                            |                                                   |                                               |
|------------------------------------|--------------------------------------------|---------------------------------------------------|-----------------------------------------------|
| Colour                             | Black                                      | Electrical protection                             | IPXXD                                         |
| Number of poles                    | 7 (L1, L2, L3, N, PE, CP, PP)              | Mechanical resistance                             | IK10                                          |
| Rated current                      | 32 A                                       | IP degree                                         | IP55 (w/o plug inserted)                      |
| Rated voltage                      | 380-480 V (power supply) / 0-30 V (CP, PP) | Thermo-pressure with ball                         | 125°C (active parts) / 80°C (passive parts)   |
| Rated frequency (Hz)               | 50/60 Hz                                   | Glow wire test                                    | 850°C (active parts) / 960°C (external parts) |
| Locking actuator parameters        | -                                          | Insulation voltage (Ui)                           | 500 V                                         |
| Voltage Range                      | 9-15,5 V                                   | Stocking temperature                              | -40°C ÷ +70°C                                 |
| No load current                    | ≤ 250 mA                                   | Terminal tightening capacity stranded cable (mm²) | 2,5-16 (power supply) 0,75-1,5 mm² (CP, PP)   |
| Working voltage                    | 12 V                                       | Operating temperature                             | -30°C ÷ +50 °C                                |
| Peak Current                       | 3.2 A                                      | MTTF                                              | >10.000 insertions with no load               |
| External self-extinguishing degree | V0 (UL94)                                  |                                                   |                                               |

DIMENSIONAL

103

162  
119

128  
158,5

112  
125

TECHNICAL SYMBOLOGY

IK

IK10

IP

IP55 (w/o plug inserted)



125°C (active parts) / 80°C (passive parts) / 850°C (active parts) / 960°C (external parts)

GWT

STANDARDS/APPROVALS

