

Product Data Sheet

GWJ5012B

JOINON Range



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. 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 | 500 V |
| Voltage Range | 9-15,5 V | Stocking temperature | -40 +70 °C |
| No load current | ≤ 250 mA | Terminal tightening capacity stranded cables (mm²) | 2,5-10 mm² (power supply) 0,75-1,5 mm² (CP, PP) |
| Working voltage | 12 V | Operating temperature | -30 +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) / 850°C (active parts) / 80°C (passive parts) / 960°C (external parts)

GWT

STANDARDS/APPROVALS



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Last update 20/04/2023

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