# Product Data Sheet

# GW62081

## IEC 309 BTS Range



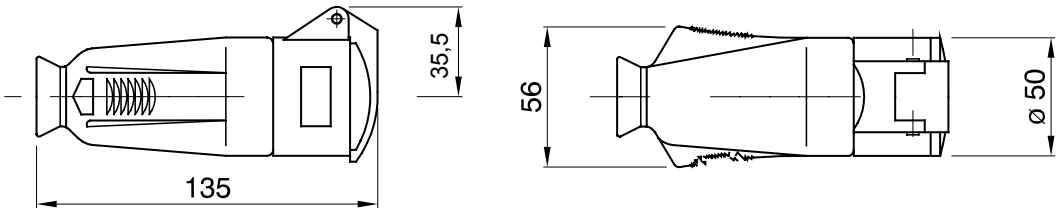
A range of trailing and fixed plugs and socket-outlets for industrial use, complying with the dimensional and performance standards unified at International level (IEC 60309) and assimilated by the European Standards (EN 60309) and Italian Standards (CEI 23-12). Socket-outlets and plugs with a rated current of 63 and 125A are equipped with an extra pilot contact (CP) for creating an electric interlock. The range is completed with 90° fixed plugs and 10° and 90° fixed socket-outlets. Sleeves and pins are obtained from solid brass bar, type Pt. CuZn40Pb2 (Cu 58%, Zn 40%, Pb 2%); anti-loosening terminals with unlosable screws.

| | | | |
|---|---|---|---|
| Colour | White | Rated current (A) | 32 |
| IP degree | IP44 | No. of poles | 2P |
| Mechanical resistance | IK08 | Reference h | 10 |
| Type | Straight connector | Rated voltage | 20-25 V and 40-50 V |
| Frequency | d.c. | Terminal tightening capacity | 2.5-6 mm² flexible cables - 2.5-10 mm² rigid cables |
| Operating temperature | -25 +40 °C | Type of wiring | With screw |
| Electrocod | 2210 | Glow wire test | 850 °C (active parts) - 650 °C (passive parts) |
| Total number of operations | > 2000 | Permissible overload | 42 A |
| Breaking capacity at 1.1 Un | 40 A | Insulation resistance | > 10 MΩ |
| Thermo-pressure with ball | 125 °C (active parts) - 80 °C (passive parts) | | |

## BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentrated | Diluited | Concentrated | Diluited | Hexane | Benzol | Acetone | Alcohol | | |
| Resistant | Not resistant | Limited resistance | Limited resistance | Resistant | Resistant | Resistant | Resistant | Resistente | Resistant | Resistant |

## DIMENSIONAL




## TECHNICAL SYMBOLOGY




IP44 | IK08 | -25 +40 °C | With screw | 850 °C (active parts) - 650 °C (passive parts) | 125 °C (active parts) - 80 °C (passive parts)

## STANDARDS/APPROVALS

CE 03 Reach Declaration

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