



70 RT HP is a comprehensive range of 16A to 160A rotary isolator switches available in enclosures made from both insulating materials and aluminium. Provided in control or emergency versions, they are compatible with the main applications for residential, commercial and industrial contexts. DC versions are available, suitable also for photovoltaic applications, ranging from 16 A to 32 A, in an insulating enclosure. The series is completed with versions for board from 16A to 1000A and for DIN rail fixing from 16 A to 63 A, which can be equipped with auxiliary contacts. The devices have been designed to reduce wiring time, facilitate installation and ensure the maximum safety and robustness even in the most demanding conditions.

ELECTRICAL CHARACTERISTICS

| | | | | |
|--------------------------------------|-----------------------|---|--------------------------|---|
| Circuit breaker | Rotary isolator | - | CABLE ENTRIES | - |
| Rated current (A) | 25 | Cable entries on top | 2 x Ø12/20/25 knock-outs | |
| No. of poles | 4P | Cable entries on bottom | 2 x Ø12/20/25 knock-outs | |
| Rated insulation voltage U_i (Vdc) | 1500 | RATED OPERATIONAL CURRENT DC-PV2 / DC-21B @ $U_e = 600$ Vdc | le (A) | |
| Operating temperature | -25 +60 °C | Configuration A2+2 ($U_e = 600$ Vdc) | 36 | |
| Cable section | 4 -10 mm ² | Configuration A4 ($U_e = 600$ Vcc) | 25 | |
| - | - | Configuration A4B/A4O/A4U ($U_e = 600$ Vdc) | 25 | |

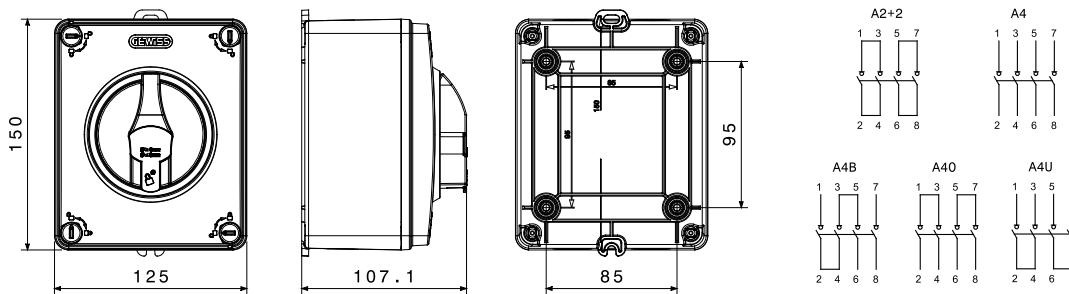
FUNCTIONAL CHARACTERISTICS

| | | | | |
|---|-------------------------------------|--|--------|--|
| Version | Enclosed for direct current | RATED OPERATIONAL CURRENT DC-PV2 / DC-21B @ $U_e = 1200$ Vdc | le (A) | |
| Material | Insulating | Configuration A2+2 ($U_e = 1200$ Vdc) | 12 | |
| Type | Control | Configuration A4 ($U_e = 1200$ Vdc) | 11 | |
| Knob colour | Black | Configuration A4B/A4O/A4U ($U_e = 1200$ Vdc) | 25 | |
| Lockable | Yes (max. 3 padlocks in ON and OFF) | - | - | |
| IP degree | IP66/IP67/IP69 | RATED OPERATIONAL CURRENT DC-PV2 / DC-21B @ $U_e = 1500$ Vdc | le (A) | |
| Mechanical resistance | IK08 | Configuration A2+2 ($U_e = 1500$ Vdc) | 5 | |
| Protection against indirect contact | Double insulation | Configuration A4 ($U_e = 1500$ Vdc) | 4 | |
| Compatibility with MC4 connectors for photovoltaic appl. Yes (Ø 12 mm knock-outs) | | Configuration A4B/A4O/A4U ($U_e = 1500$ Vdc) | 20 | |

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | Acids | | Bases | | Solvents | | | | Mineral oil | UV rays |
|-----------------|--------------------|-----------|---------------|--------------------|--------------------|---------------|---------------|--------------------|-------------|-----------|
| | Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Ethyl alcohol | | |
| Resistant | Limited resistance | Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Resistant | Resistant |

DIMENSIONAL



TECHNICAL SYMBOLOGY

IP **IK**

IP66/IP67/IP69

IK08

STANDARDS/APPROVALS



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