

70 RT HP

ROTARY ISOLATOR SWITCHES IN INSULATING BOX

Rotary isolator switches in control (with black knob) or emergency version (with red knob). Complying with EN 60947-3 standard.

Electrical data 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

| | | | | | | | | | | |
|---|--|------|---------|---------|----------|-----|--------|------|------|------|
| Rated current IEC | | 16A | 25A | 32A | 40A | 63A | 80A | 100A | 125A | 160A |
| Rated insulation voltage Ui | VAC | 690 | 690 | 690 | 690 | 690 | 690 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage Uimp | kV | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 |
| Thermal current Ith/Ithe | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| Rated operational current IEC | AC21A Resistive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| | AC22A Mixed resistive and inductive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| | AC23A Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| Rated short time withstand current Icw (1s) | A | 160 | 250 | 320 | 400 | 630 | 800 | 2500 | 2500 | 2500 |
| Conditional short circuit current (Icc) | 415V 500V | kA | 10 6 | 10 6 | 10 6 | 6 | 6 | 10 | 10 | 10 |
| Associated fuse for conditional short circuit current - Type gG | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| WIRING * | | | | | | | | | | |
| Tightening torque | Nm | | 1 | | 3 | | 6 | | | |
| Max. flexible wire | mm² | | 1 ÷ 10 | | 2,5 ÷ 25 | | 4 ÷ 70 | | | |
| Max. rigid wire | mm² | | 1 ÷ 10 | | 2,5 ÷ 25 | | 4 ÷ 70 | | | |

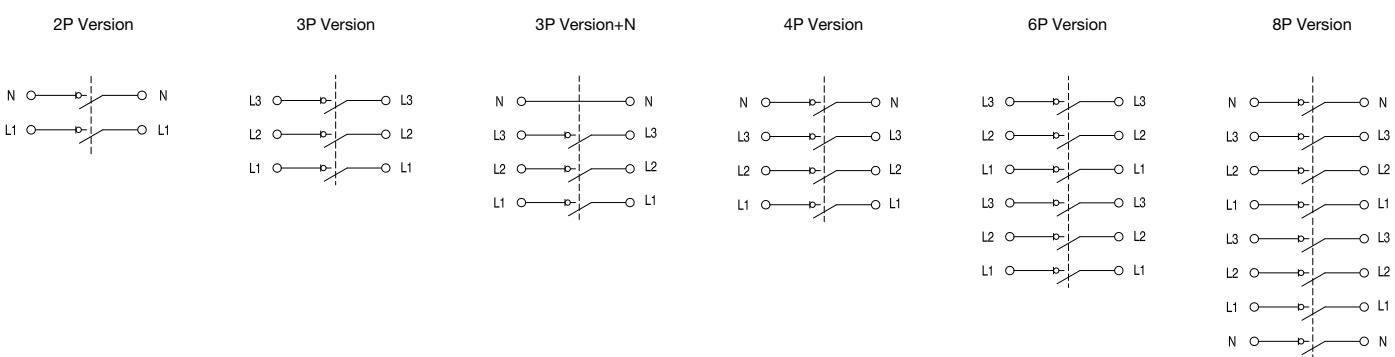
* The surface of the wiring terminals is knurled to improve the grip of the stripped cable inserted into the terminal and to facilitate wiring operations.

Electrical data 16 A ÷ 100 A 6P, 8P

| | | | | | | | |
|---|--|------|-----------|------|--------|------|------|
| Rated current IEC | | 16A | 25A | 32A | 40A | 63A | 100A |
| Rated insulation voltage Ui | VAC | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage Uimp | kV | 8 | 8 | 8 | 8 | 8 | 8 |
| Thermal current Ith/Ithe | A | 16 | 25 | 32 | 40 | 63 | 100 |
| Rated operational current IEC | AC21A Resistive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 |
| | AC22A Mixed resistive and inductive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 |
| | AC23A Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 415V | A | 16 | 25 | 32 | 40 |
| Conditional short circuit current (Icc) | 415V | kA | 10 | 10 | 10 | 10 | 10 |
| Associated fuse for conditional short circuit current - Type gG | A | 40 | 40 | 40 | 40 | 100 | 100 |
| WIRING * | | | | | | | |
| Tightening torque | Nm | | 2 | | 6 | | |
| Max. flexible wire | mm² | | 0,75 ÷ 16 | | 4 ÷ 70 | | |
| Max. rigid wire | mm² | | 0,75 ÷ 16 | | 4 ÷ 70 | | |

* The surface of the wiring terminals is knurled to improve the grip of the stripped cable inserted into the terminal and to facilitate wiring operations.

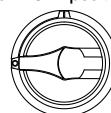
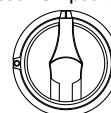
Wiring diagram



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

| Saline solution | BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS | | | | | | | | Mineral oil | UV rays |
|-----------------|--|--------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|-------------|-----------|
| | Acids | | Bases | | Solvents | | | | | |
| Concentrated | Diluted | Concentrated | Diluted | Hexane | Benzol | Acetone | Alcohol | | | |
| Resistant | Limited resistance | Resistant | Not resistant | Limited resistance | Limited resistance | Not resistant | Not resistant | Limited resistance | Resistant | Resistant |

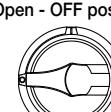
Mechanical data 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

| In (A) | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
|-------------------------------------|-------------|----|---|----|--|----|---|---|----------------------|
| Poles | 2P | x | x | x | | | | | |
| | 3P | x | x | x | x | x | x | x | x |
| | 3P+N | x | x | x | x | x | x | x | x |
| | 4P | x | x | x | x | x | x | x | x |
| Degree of protection | | | | | IP66/IP67/IP69 | | | | |
| Impact resistance | | | | | IK08 | | | | |
| Protection against indirect contact | | | | | <input checked="" type="checkbox"/> | | | | |
| Thermo-pressure with ball (°C) | | | | | 125 (device); 80 (box) | | | | |
| Glow Wire Test (°C) | | | | | 960 (device); 650 (box) | | | | |
| Range of temperature (°C) | | | | | -25; +60 | | | | |
| Housable auxiliary contacts | | | | | Max. 2 (1 per side) | | | | Max. 4* (2 per side) |
| Holes entry | Upper sides | | | | 2 x M20/M25 | | | | - |
| | Lower sides | | | | 2 x M20/M25 | | | | - |
| Knob position | | | Open - OFF position | | Close - ON position | | Open - OFF position | Close - ON position | |
| | | |  | |  | |  |  | |

NOTE: to install the boxes by drilling the internal fixing points, it is necessary to use the screw caps GW 44 622 or GW 44 623 to maintain the double insulation and the IP protection degree.

(*) In 4P versions the max number of auxiliary contacts that can be installed is 3 (2+1). In the 160A 4P version the maximum number of auxiliary contacts that can be installed is 1.

Mechanical data 16 A ÷ 100 A 6P, 8P

| In (A) | 16 | 25 | 32 | 40 | 63 | 100 |
|-------------------------------------|-------------------------------------|---------------------|---|---|---------|---------------------|
| Poles | 6P | x | x | x | x | x |
| | 8P | x | x | x | x | x |
| Degree of protection | IP66/67/69 | | | | | IP66/69 |
| Impact resistance | IK08 | | | | | |
| Protection against indirect contact | <input checked="" type="checkbox"/> | | | | | |
| Thermo-pressure with ball (°C) | 125 (device); 80 (box) | | | | | |
| Glow Wire Test (°C) | 960 (device); 650 (box) | | | | | |
| Range of temperature (°C) | -25; +60 | | | | | |
| Housable auxiliary contacts | 6P | Max. 4 (2 per side) | | | | Max. 1 |
| | 8P | Max. 1 | | | | Max. 2 (1 per side) |
| Holes entry | Upper sides | 2 x M20 | | 2 x M25 | 2 x M32 | - |
| | Lower sides | 2 x M20 | | 2 x M25 | 2 x M32 | - |
| Knob position | | | Open - OFF position | Close - ON position | | |
| | | |  |  | | |

NOTE: to install the boxes by drilling the internal fixing points, it is necessary to use the screw caps GW 44 622 or GW 44 623 to maintain the double insulation and the IP protection degree.

Auxiliary Contacts

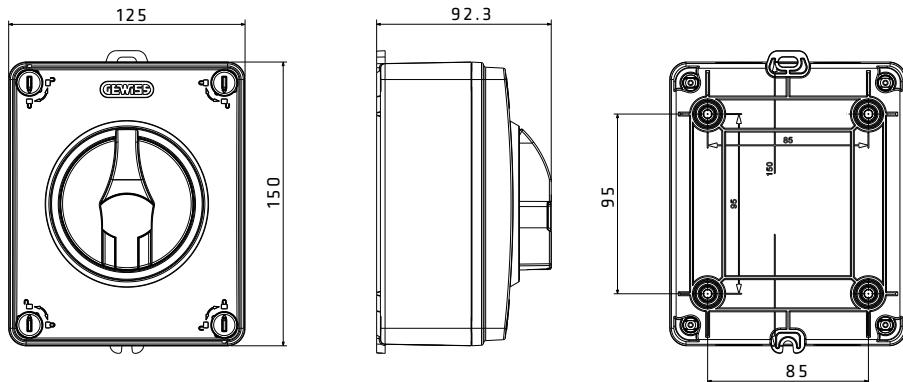
| TECHNICAL DATA | |
|--|--|
| Type: Auxiliary Contacts NO or NC | Thermal current in Air (Ith): 16 A |
| Rated insulation voltage (Ui): 400 V | Thermal current in Boxes (Ithe): 10A |
| Conditional short circuit current (Icc - 400 V): 1 kA | Rated impulse withstand voltage (Uimp): 4 kV |
| Associated fuse size for conditional short circuit current - Type gG: 6A | Category of uses AC15: 6A (230V) |
| Tightening torque: 0,8 Nm | 3A (380V) |

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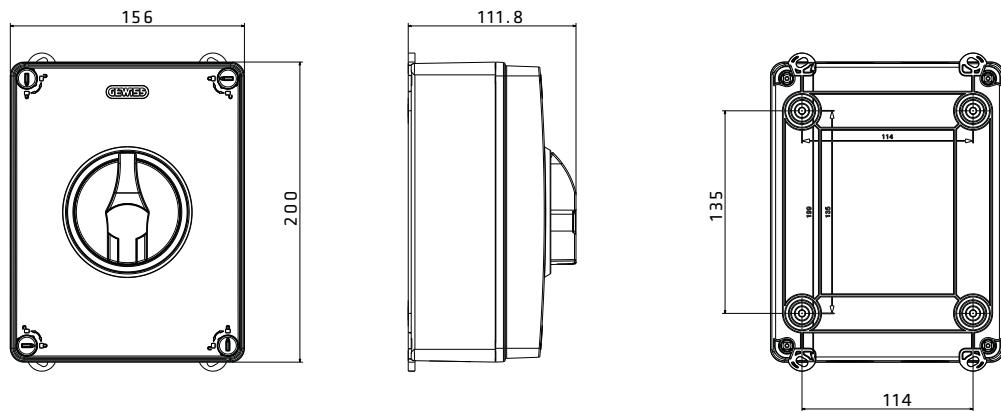
Dimension tables 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

ISOLATORS IN PLASTIC BOX

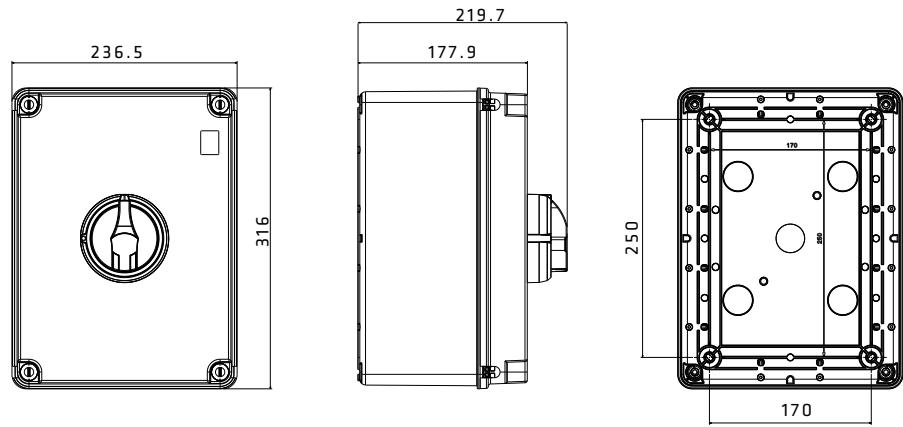
ISOLATORS IN BOX 16 A ÷ 40 A



ISOLATORS IN BOX 63 A - 80 A



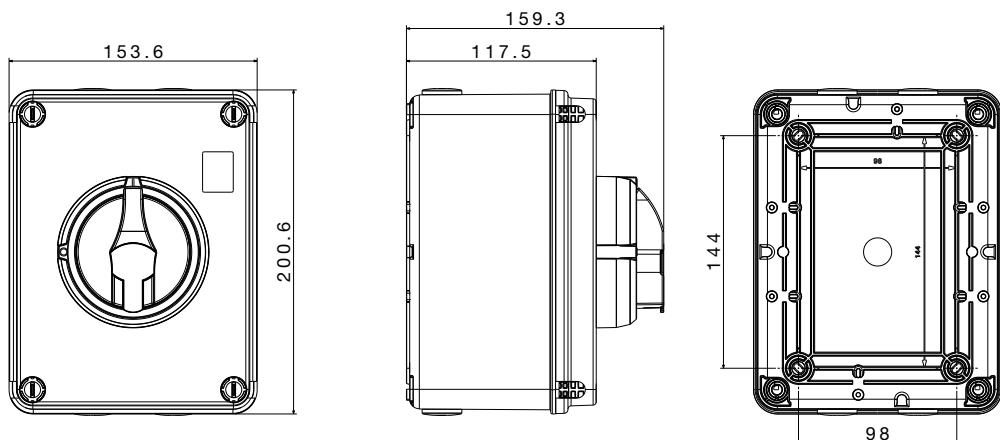
ISOLATORS IN BOX 100 A ÷ 160 A



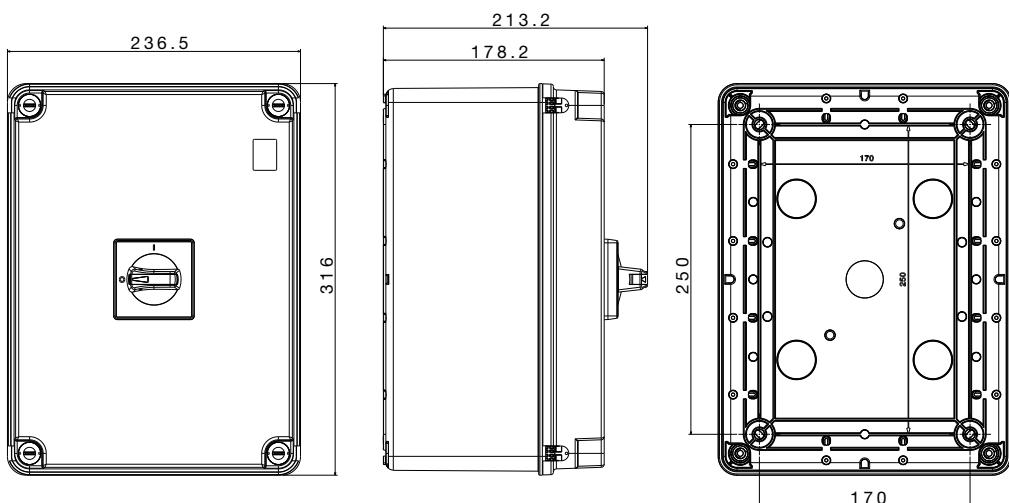
Dimension tables 16 A ÷ 100 A 6P, 8P

ISOLATORS IN PLASTIC BOX

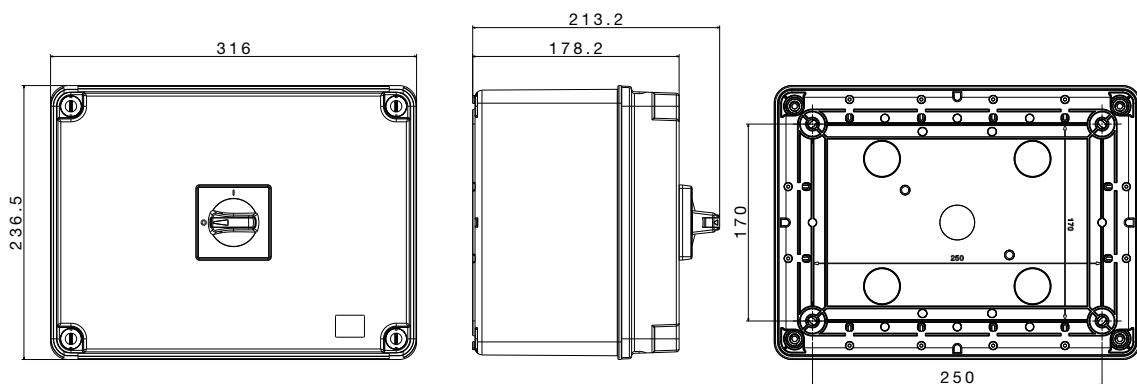
ISOLATORS IN BOX 16 A ÷ 40 A 6P - 8P



ISOLATORS IN BOX 63 A ÷ 100 A 6P



ISOLATORS IN BOX 63 A ÷ 100 A 8P



70 RT HP

ROTARY ISOLATOR SWITCHES IN METAL BOX

Rotary isolator switches in control (with black knob) or emergency version (with red knob). Complying with EN 60947-3 standard.

Electrical data 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

| | | | | | | | | | | | |
|---|--|-----------------|--------|-----|-----|----------|-----|-----|--------|------|------|
| Rated current IEC | | | 16A | 25A | 32A | 40A | 63A | 80A | 100A | 125A | 160A |
| Rated insulation voltage Ui | | VAC | 690 | 690 | 690 | 690 | 690 | 690 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage Uimp | | kV | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 |
| Thermal current Ith/Ite | | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| Rated operational current IEC | AC21A Resistive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| | AC22A Mixed resistive and inductive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| | AC23A Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| | Associated fuse for conditional short circuit current - Type gG | | A | 160 | 250 | 320 | 400 | 630 | 800 | 2500 | 2500 |
| | | 415V | | 10 | 10 | 10 | 10 | 6 | 6 | 10 | 10 |
| | Conditional short circuit current (Icc) | 500V | KA | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Associated fuse for conditional short circuit current - Type gG | | | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| WIRING * | | | | | | | | | | | |
| Tightening torque | | Nm | 1 | | | 3 | | | 6 | | |
| Max. flexible wire | | mm ² | 1 ÷ 10 | | | 2,5 ÷ 25 | | | 4 ÷ 70 | | |
| Max. rigid wire | | mm ² | 1 ÷ 10 | | | 2,5 ÷ 25 | | | 4 ÷ 70 | | |

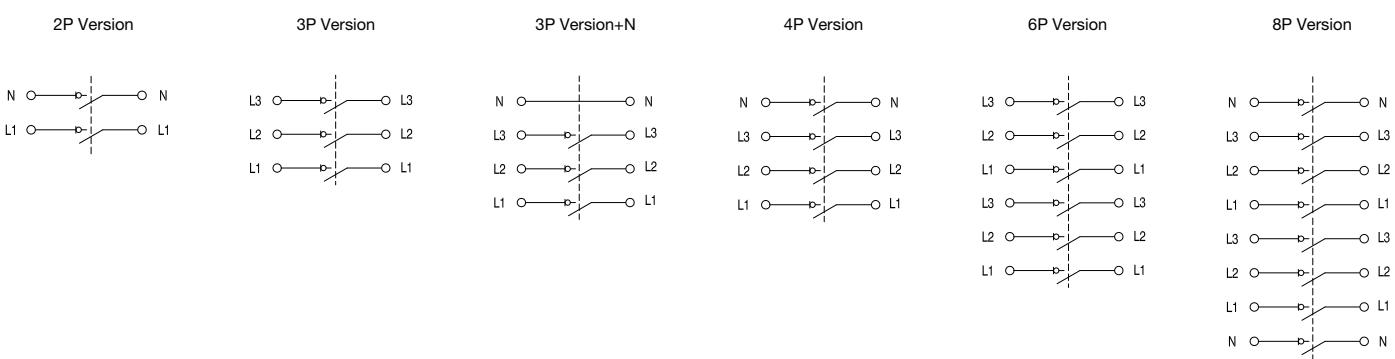
* The surface of the wiring terminals is knurled to improve the grip of the stripped cable inserted into the terminal and to facilitate wiring operations.

Electrical data 16 A ÷ 100 A 6P, 8P

| Rated current IEC | | | 16A | 25A | 32A | 40A | 63A | 100A |
|---|--|-----------------|------|-----------|------|------|--------|------|
| Rated operational current IEC | Rated insulation voltage Ui | VAC | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| | Rated impulse withstand voltage Uimp | kV | 8 | 8 | 8 | 8 | 8 | 8 |
| | Thermal current Ith/Ithe | A | 16 | 25 | 32 | 40 | 63 | 100 |
| | AC21A Resistive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 |
| | AC22A Mixed resistive and inductive loads, including moderate overloads | 415V | A | 16 | 25 | 32 | 40 | 63 |
| | AC23A Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 415V | A | 16 | 25 | 32 | 40 | 63 |
| | Conditional short circuit current (Icc) | 415V | kA | 10 | 10 | 10 | 10 | 10 |
| Associated fuse for conditional short circuit current - Type gG | | | A | 40 | 40 | 40 | 40 | 100 |
| WIRING * | | | | | | | | |
| Tightening torque | | Nm | | 2 | | | 6 | |
| Max. flexible wire | | mm ² | | 0,75 ÷ 16 | | | 4 ÷ 70 | |
| Max. rigid wire | | mm ² | | 0,75 ÷ 16 | | | 4 ÷ 70 | |

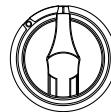
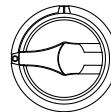
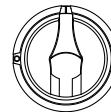
* The surface of the wiring terminals is knurled to improve the grip of the stripped cable inserted into the terminal and to facilitate wiring operations.

Wiring diagram



BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Mechanical data 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

| In (A) | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
|--------------------------------|-------------|---|----|---------|--|---------|-----|---|---|
| Poles | 2P | x | x | x | | | | | |
| | 3P | x | x | x | x | x | x | x | x |
| | 3P+N | x | x | x | x | x | x | x | x |
| | 4P | x | x | x | x | x | x | x | x |
| Degree of protection | | | | | IP66 | | | | |
| Impact resistance | | | | | IK10 (box); IK08 (knob) | | | | |
| Thermo-pressure with ball (°C) | | | | | 80 (box) | | | | |
| Glow Wire Test (°C) | | | | | 650 (knob) | | | | |
| Range of temperature (°C) | | | | | -25; +60 | | | | |
| Housable auxiliary contacts | | | | | Max. 2 (1 per side) | | | | Max. 4* (2 per side) |
| Holes entry | Upper sides | 2 x M20 | | 2 x M20 | | 2 x M32 | | | - |
| | Lower sides | 2 x M20 | | 2 x M25 | | 2 x M32 | | | - |
| Knob position | | Open - OFF position | | | Close - ON position | | | Open - OFF position | Close - ON position |
| | |  | | |  | | |  |  |

(*) In 4P versions the max number of auxiliary contacts that can be installed is 3 (2+1). In the 160A 4P version the maximum number of auxiliary contacts that can be installed is 1.

Mechanical data 16 A ÷ 100 A 6P, 8P

| In (A) | 16 | 25 | 32 | 40 | 63 | 100 |
|--------------------------------|-------------------------|---|----|----|---|--------|
| Poles | 6P | x | x | x | x | x |
| | 8P | x | x | x | x | x |
| Degree of protection | IP66 | | | | | |
| Impact resistance | IK10 (box); IK08 (knob) | | | | | |
| Thermo-pressure with ball (°C) | 80 (box) | | | | | |
| Glow Wire Test (°C) | 650 (knob) | | | | | |
| Range of temperature (°C) | -25; +60 | | | | | |
| Housable auxiliary contacts | 6P | Max. 4 (2 per side) | | | | |
| Holes entry | 8P | Max. 2 (1 per side) | | | | Max. 1 |
| | Upper sides | 2 x M20 | | | 2 x M25 | - |
| Knob position | Lower sides | 2 x M20 | | | 2 x M25 | - |
| | | Open - OFF position | | | Close - ON position | |
| | |  | | |  | |

Auxiliary Contacts

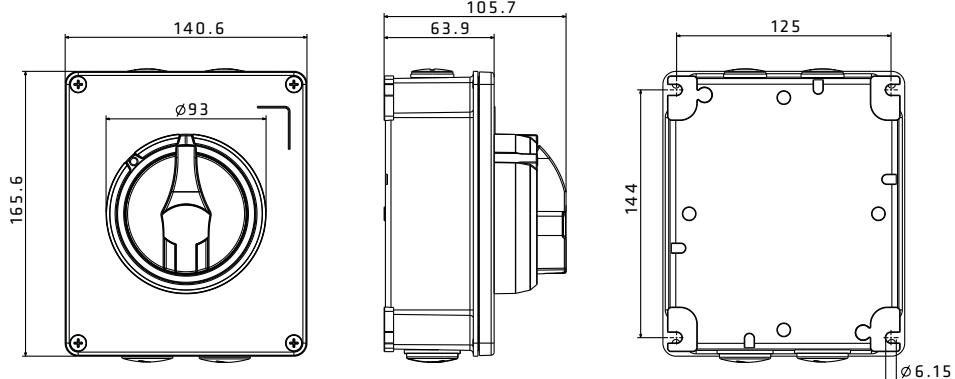
| TECHNICAL DATA | |
|--|--|
| Type: Auxiliary Contacts NO or NC | Thermal current in Air (ith): 16 A |
| Rated insulation voltage (Ui): 400 V | Thermal current in Boxes (ithe): 10A |
| Conditional short circuit current (Icc - 400 V): 1 kA | Rated impulse withstand voltage (Uimp): 4 kV |
| Associated fuse size for conditional short circuit current - Type gG: 6A | Category of uses AC15: 6A (230V) |
| Tightening torque: 0,8 Nm | 3A (380V) |

70 RT HP

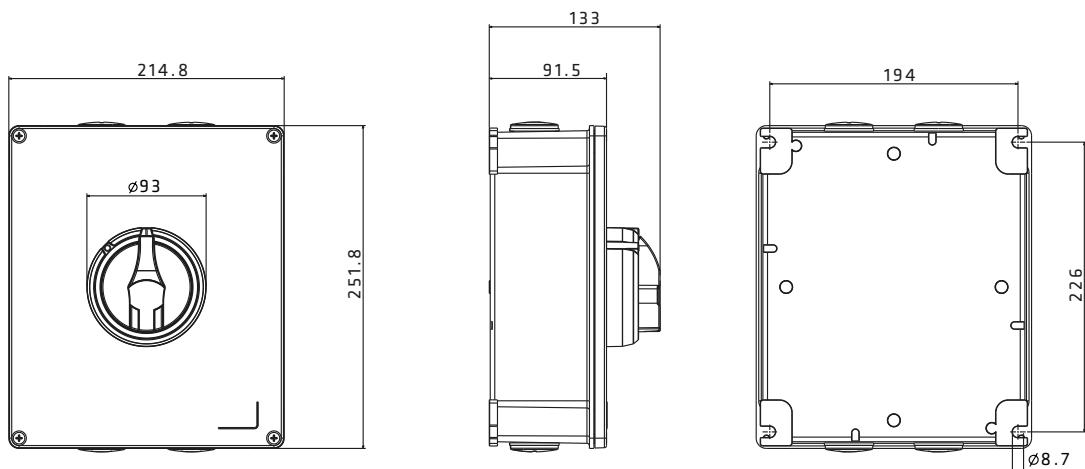
Dimension tables 16 A ÷ 160 A 2P, 3P, 3P+N, 4P

ISOLATORS IN METAL BOX

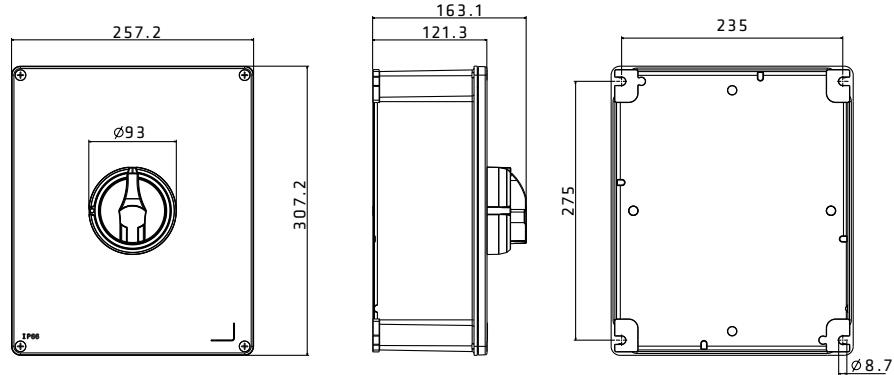
ISOLATORS IN BOX 16 A ÷ 40 A

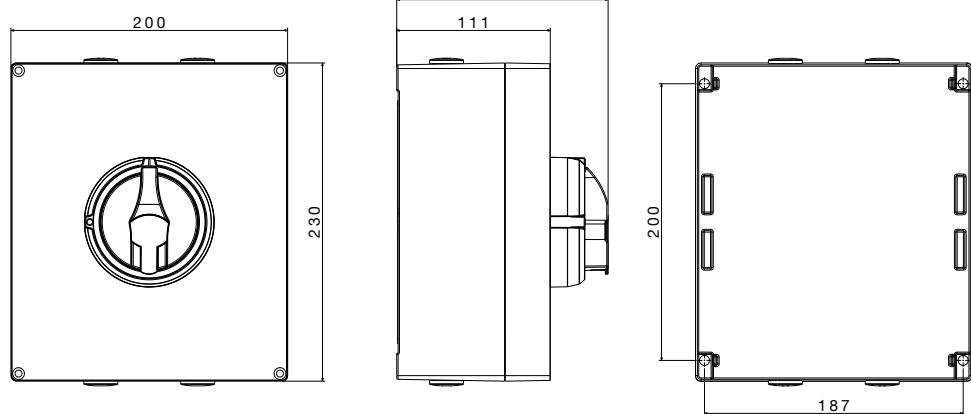
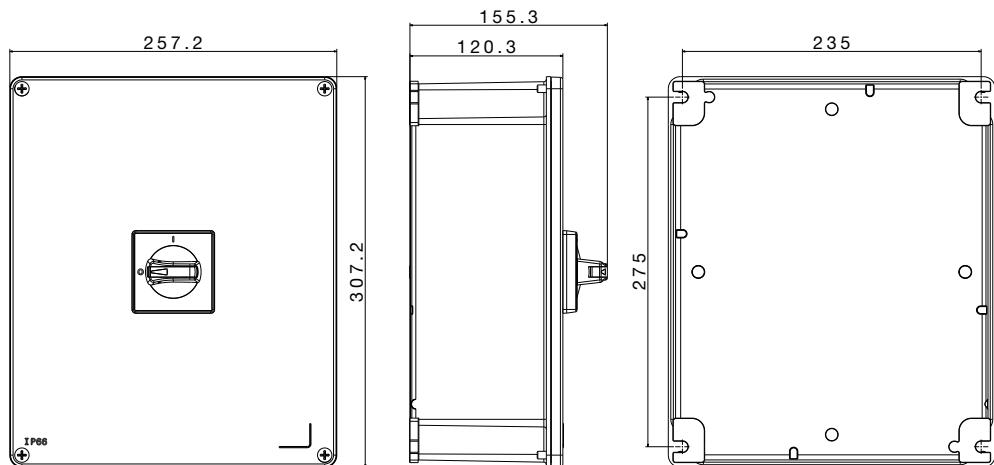


ISOLATORS IN BOX 63 A - 80 A



ISOLATORS IN BOX 100 A ÷ 160 A



Dimension tables 16 A ÷ 100 A 6P, 8P**ISOLATORS IN METAL BOX****ISOLATORS IN BOX 16 A ÷ 40 A****ISOLATORS IN BOX 63 A ÷ 100 A**

70 RT HP

ROTARY ISOLATOR SWITCHES IN DIRECT CURRENT

Rotary disconnector switches in insulating box.

Complying with EN 60947-3 standard and CEI EN 60947-3:2021 (Annex D) for photovoltaic applications.

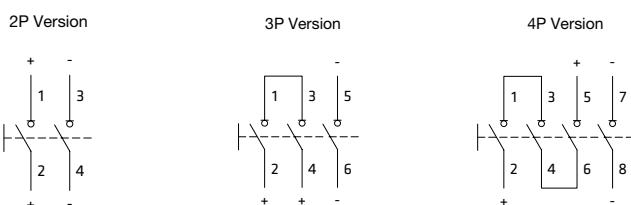
Electrical data

| Code | | GW 70 231 | GW 70 235 | GW 70 238 | GW 70 239 | GW 70 242 |
|---|-------|-----------|-----------|-----------|-----------|-----------|
| Rated current IEC | | 16A | 25A | 32A | 32A | 40A |
| | ≤800V | 25A | 25A | 32A | 32A | 32A |
| DCPV1 | 1000V | 16A | 25A | 32A | 32A | 32A |
| | 1200V | | | | 25A | 32A |
| | 1500V | | | | 20A | 25A |
| Rated insulation voltage Ui | VAC | | | 1000V | | |
| Rated impulse withstand voltage Uimp | kV | | | 8kV | | |
| Thermal current Ith/Ithe | A | 25A / 25A | 25A / 25A | 32A / 32A | 32A / 32A | 40A / 32A |
| Rated short time withstand current Icw (1s) | A | | | 500A | | |
| WIRING | | | | | | |
| Tightening torque | Nm | | | 1,2 | | |
| Max. flexible wire | mm² | | | 1 ÷ 10 | | |
| Max. rigid wire | mm² | | | 1 ÷ 10 | | |

Mechanical data

| | | | | | |
|-------------------------------------|-------------|---------------------|---------|-------------------------------------|---------|
| In (A) | | 16 | 25 | 32 | 40 |
| Poles | | 2P | 3P | 3P | 4P |
| Degree of protection | | | | IP66/IP67/IP69 | |
| Impact resistance | | | | IK08 | |
| Protection against indirect contact | | | | <input checked="" type="checkbox"/> | |
| Thermo-pressure with ball (°C) | | | | 125 (device); 80 (box) | |
| Glow Wire Test (°C) | | | | 960 (device); 650 (box) | |
| Range of temperature (°C) | | | | -25; +60 | |
| Holes entry | Upper sides | 2 x M20 | 2 x M20 | 2 x M25 | 2 x M25 |
| | Lower sides | 2 x M20 | 2 x M20 | 2 x M25 | 2 x M25 |
| Knob position | | Open - OFF position | | Close - ON position | |
| | | | | | |

Wiring diagram



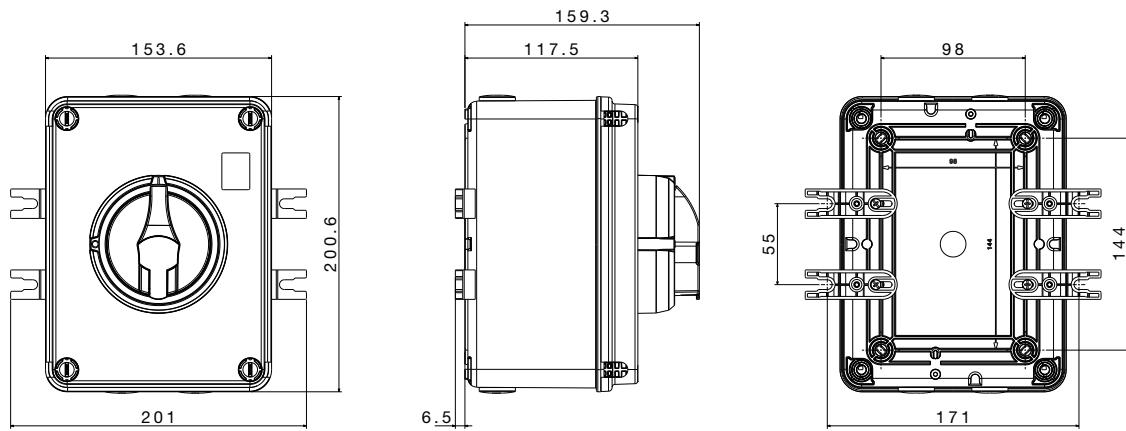
BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

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

Dimension tables

ISOLATORS IN BOX

ISOLATORS IN BOX 16 A ÷ 40 A



70 RT HP

ROTARY ISOLATOR SWITCHES FOR DISTRIBUTION BOARDS

Rotary disconnector switches in versions for board (16 A ÷ 1000 A) or for DIN rail (16 A ÷ 63 A). Complying with EN 60947-3 standard.

Electrical data 16 A ÷ 160 A 2P, 3P, 4P

| | | | | | | | | | | |
|---|---|------|--------|-----|----------|-----|--------|------|------|------|
| Rated current IEC | | 16A | 25A | 32A | 40A | 63A | 80A | 100A | 125A | 160A |
| Rated insulation voltage Ui | VAC | 690 | 690 | 690 | 690 | 690 | 690 | 1000 | 1000 | 1000 |
| Rated impulse withstand voltage Uimp | kV | 4 | 4 | 4 | 4 | 4 | 4 | 8 | 8 | 8 |
| Thermal current Ith/Ithe | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| Rated operational current IEC | AC21A | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| | Resistive loads, including moderate overloads | 500V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| AC22A | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| | Mixed resistive and inductive loads, including moderate overloads | 500V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| AC23A | 415V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 |
| | Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 500V | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 |
| Rated short time withstand current Icw (1s) | A | 160 | 250 | 320 | 400 | 630 | 800 | 2500 | 2500 | 2500 |
| Conditional short circuit current (Icc) | 415V | kA | 10 | 10 | 10 | 10 | 6 | 6 | 10 | 10 |
| | 500V | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Associated fuse for conditional short circuit current - Type gG | A | 16 | 25 | 32 | 40 | 63 | 80 | 100 | 125 | 160 |
| WIRING | | | | | | | | | | |
| Tightening torque | Nm | | 1 | | 3 | | 6 | | | |
| Max. flexible wire | mm² | | 1 ÷ 10 | | 2,5 ÷ 25 | | 4 ÷ 70 | | | |
| Max. rigid wire | mm² | | 1 ÷ 10 | | 2,5 ÷ 25 | | 4 ÷ 70 | | | |

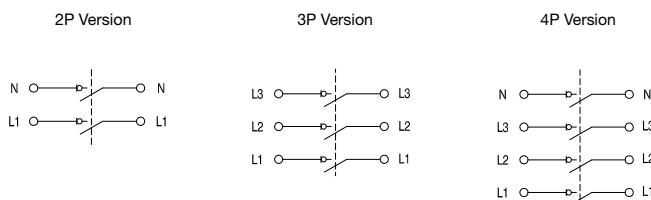
NOTE: the surface of the wiring terminals is knurled to improve the grip of the stripped cable inserted into the terminal and to facilitate wiring operations.

Electrical data 200 A ÷ 1000 A 3P, 4P

| | | | | | | | | | |
|---|---|----------|------|-------------------|------|---------|------|-------|------|
| Rated current IEC | | 200A | 250A | 315A | 400A | 630A | 800A | 1000A | |
| Rated insulation voltage Ui | VAC | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| Rated impulse withstand voltage Uimp | kV | 12 | 12 | 12 | 12 | 12 | 12 | 12 | |
| Thermal current Ith/Ithe | A | 200 | 250 | 315 | 400 | 630 | 800 | 1000 | |
| Rated operational current IEC | AC21A | 415V | A | 200 | 250 | 315 | 400 | 630 | 800 |
| | Resistive loads, including moderate overloads | 500V | A | 200 | 250 | 315 | 400 | 630 | 800 |
| AC22A | 415V | A | 200 | 250 | 315 | 400 | 630 | 800 | 1000 |
| | Mixed resistive and inductive loads, including moderate overloads | 500V | A | 200 | 250 | 315 | 400 | 630 | 800 |
| AC23A | 415V | A | 200 | 250 | 315 | 400 | 630 | 800 | 1000 |
| | Switching of motor loads or other highly inductive loads (3 phases/3 poles) | 500V | A | 200 | 250 | 315 | 400 | 630 | 800 |
| Rated short time withstand current Icw (1s) | A | 200 | 250 | 315 | 400 | 630 | 800 | 1000 | |
| Conditional short circuit current (Icc) | 415V | kA | 6 | 6 | 12,5 | 12,5 | 20 | 20 | |
| | 500V | kA | 100 | 100 | 80 | 80 | 80 | 50 | |
| 690V | KA | 100 | 100 | 80 | 80 | 80 | 80 | 50 | |
| | KA | 100 | 100 | 80 | 80 | 80 | 80 | 50 | |
| Associated fuse for conditional short circuit current - Type gG | A | 200 | 250 | 315 | 400 | 630 | 800 | 1000 | |
| Tightening torque | Nm | 22 | | 37 | | 75 | | | |
| Max. flexible wire | mm² | 70 ÷ 185 | | 1 x 185 ÷ 2 x 185 | | 2 x 185 | | | |
| Max. rigid wire | mm² | 70 ÷ 185 | | 1 x 185 ÷ 2 x 185 | | 2 x 240 | | | |

NOTE: for versions from 200 ÷ 800A for applications with voltages ≥500V the phase barriers are required.

Wiring diagram



Auxiliary Contacts 16 A ÷ 160 A

| TECHNICAL DATA | |
|--|--|
| Type: Auxiliary Contacts NO or NC | Thermal current in Air (Ith): 16 A |
| Rated insulation voltage (Ui): 400 V | Thermal current in Boxes (Ithe): 10A |
| Conditional short circuit current (Icc - 400 V): 1 kA | Rated impulse withstand voltage (Uimp): 4 kV |
| Associated fuse size for conditional short circuit current - Type gG: 6A | Category of use AC15: 6A (240V) |
| Tightening torque: 0,8 Nm | 3A (400V) |

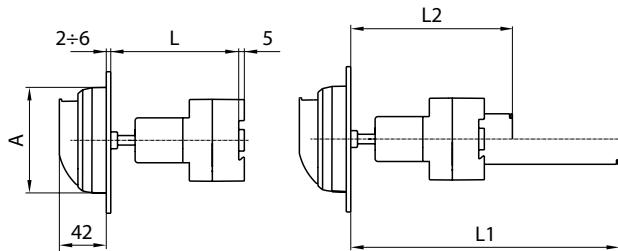
Auxiliary Contacts 200 A ÷ 1000 A

| TECHNICAL DATA | |
|---|--|
| Type: Auxiliary Contacts EB or NC | Thermal current in Air (Ith): 16 A |
| Rated insulation voltage (Ui): 690 V | Rated impulse withstand voltage (Uimp): 6 kV |
| Conditional short circuit current (Icc - 690 V): 1 kA | Category of use AC15: 6A (240V) |
| Associated fuse size for conditional short circuit current - Type gG: 10A | 3A (400V) |

70 RT HP

Dimension tables

ROTARY ISOLATOR SWITCHES FOR BOARD: PANEL/DOOR MOUNTING 16 A ÷ 80 A

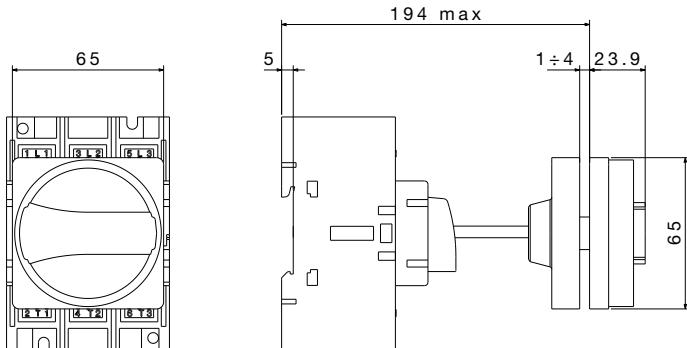


| Isolator | WITHOUT BRACKETS | | WITH BRACKETS | | A |
|-----------------------|------------------|---------------------|--------------------|----------------------|------|
| | Supplied with L | Adjustable up to L* | L1 max length obt. | L2 min length obt.** | |
| 16A - 25A - 32A - 40A | 145 | 87 | (145+160) 305 | (87+30) 117 | ø 94 |
| 63A - 80A | 177 | 114 | (117+160) 337 | (114+30) 144 | ø 94 |

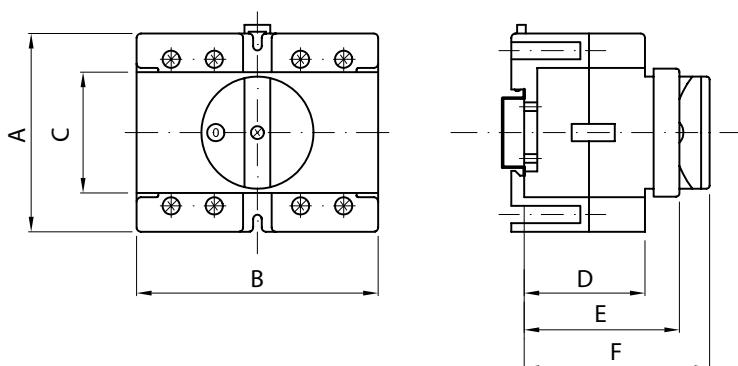
(*) Position obtainable by cutting the shaft supplied.

(**) Position obtainable by cutting both the shaft supplied, and the brackets, in the points shown.

ROTARY ISOLATOR SWITCHES FOR BOARD: PANEL/DOOR MOUNTING 100 A ÷ 160 A



ROTARY ISOLATOR SWITCHES FOR BOARD: DIN RAIL MOUNTING EN 50022 16 A ÷ 63 A

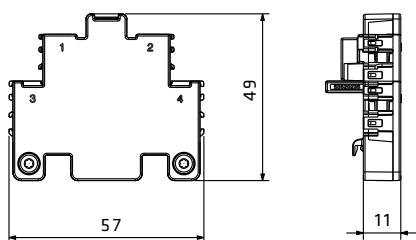


| Type | A | B | C | D | E | F |
|----------|----|------|----|----|----|----|
| 16 - 32A | 55 | 71 ● | 45 | 37 | 53 | 68 |
| 63 A | 73 | 89 ▲ | 45 | 44 | 56 | 68 |

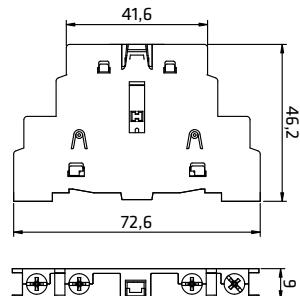
● Occupies 4 modules (17,5 mm). ▲ Occupies 5 modules (17,5 mm).

Dimension tables

AUXILIARY CONTACTS 16 A ÷ 160 A

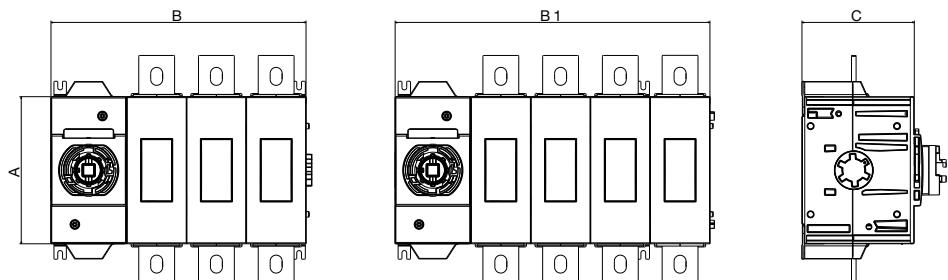


For isolator 16 - 25 - 32 - 40 - 63 - 80A



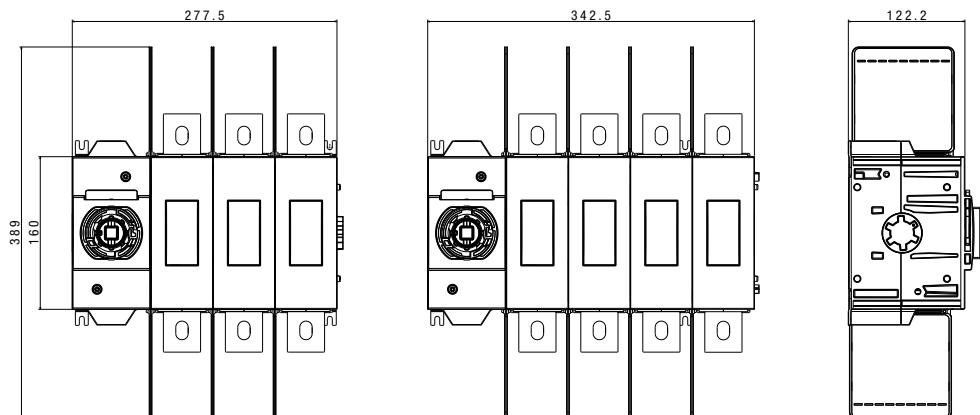
For isolator 100 - 125 - 160A and 16-100A 6P and 8P

ROTARY ISOLATOR SWITCHES FOR BOARD: PANEL/DOOR MOUNTING 200 A - 800 A



| Isolator | A | B | B1 | C |
|---------------|-----|-------|-------|-------|
| 200 A - 250 A | 105 | 157 | 192 | 76.3 |
| 315 A - 400 A | 120 | 197 | 242 | 85.4 |
| 630 A - 800 A | 160 | 277.5 | 342.5 | 122.2 |

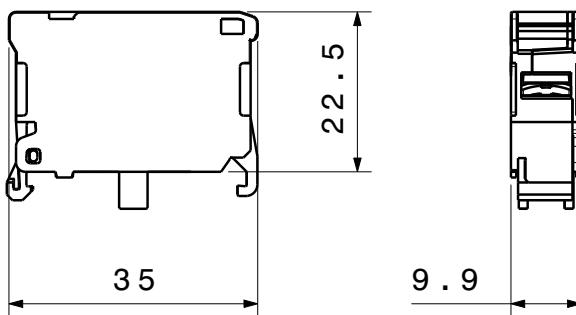
ROTARY ISOLATOR SWITCHES FOR BOARD: PANEL/DOOR MOUNTING 1000 A



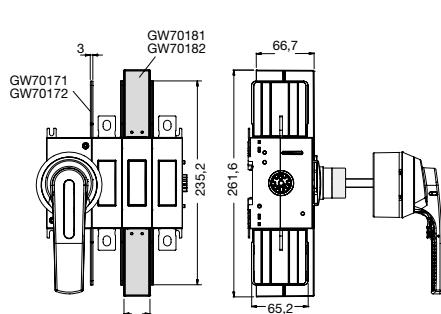
70 RT HP

Dimension tables

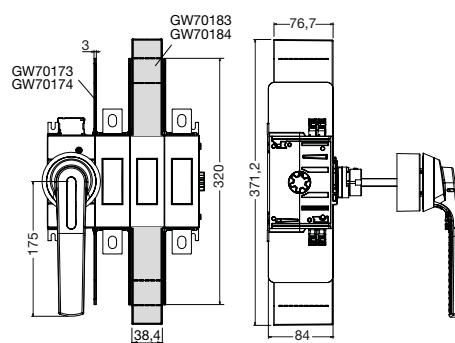
AUXILIARY CONTACTS 200 A ÷ 400 A



PHASE BARRIERS AND TERMINAL COVERS 200 A ÷ 400 A



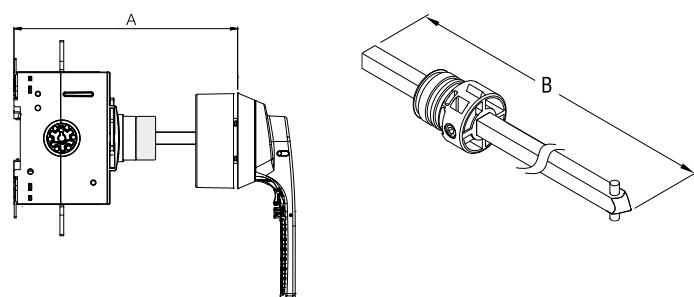
Isolators 200 A - 250 A



Isolators 315 A - 400 A

SHAFTS FOR PANEL/DOOR MOUNTING KNOB A 200 A ÷ 400 A

| Isolator | A | B |
|--------------|-----------|-----|
| 200A - 250A | 124 ÷ 244 | 200 |
| | 124 ÷ 344 | 300 |
| 315A - 400A | 157 ÷ 277 | 200 |
| | 157 ÷ 377 | 300 |
| 630A - 1000A | 212 ÷ 282 | 200 |
| | 212 ÷ 282 | 300 |



70 RT ATEX DISCONNECTORS - METAL BOX

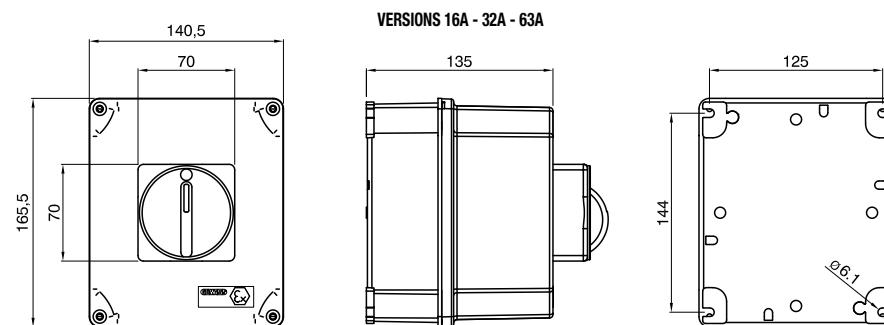
Switch disconnectors for command and emergency in aluminium box painted in Grey Ral 7037, suitable for use in **ZONE 22(D)** with rated current of 16-32-63-100A. Standard: EN 60947-3, EN 61241-0, EN60079-0, EN60079-31 - Dir. ATEX 94/9/CE.

| TECHNICAL DATA | | | | 16A | 32A | 63A | 100A |
|-----------------------------------|--------------|------------------|-----------------|----------|--------|--------|-------|
| Vn insulation | | Ui (IEC947-3) | | V | | 800 | |
| Vn of impulse withstand | | Uiimp (IEC947-3) | | KV | | 8 | |
| In thermal | In air | Ith (IEC947-3) | | A | 25 | 40 | 63 |
| | In box | Ithe (IEC947-3) | | A | 16 | 32 | 63 |
| In use | AC21A | Ie (IEC947-3) | 400V | A | 16 | 32 | 63 |
| | AC22A | | 400V | A | 16 | 32 | 63 |
| Max power with three-phase motors | AC23A | IEC947-3 | 400V | kW | 7 | 14 | 28 |
| In short lifespan | | Icw | | A | 400 | 800 | 1500 |
| In cond. of short-circuiting | | IEC947-3 | | kAeff | 10 | 10 | 15 |
| CONNECTABLE SECTIONS | | | | | | | |
| Rigid cables | | min-max | mm ² | 1,5-16 | 1,5-16 | 2,5-35 | 10-70 |
| | | | AWG | 16-6 | 16-6 | 14-3 | 8-00 |
| Flexible cables | | min-max | mm ² | 1,5-16 | 1,5-16 | 2,5-35 | 10-70 |
| | | | AWG | 16-6 | 16-6 | 14-3 | 8-00 |
| CONDITIONS OF USE | | | | | | | |
| Ambient temperature | of storage | | °C | -30; +70 | | | |
| | of operation | | °C | -25; +55 | | | |

Note: for the behaviour with chemical and atmospheric agents, contact SAT Customer Service (+ 39 035/946111).

Dimension tables

SWITCH DISCONNECTORS FOR COMMAND AND EMERGENCY



VERSIONS 100A

