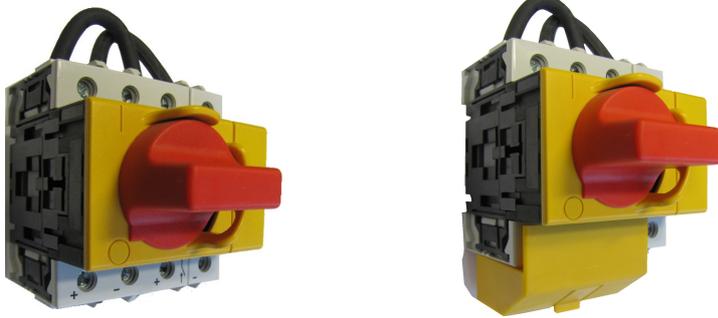


# Rotary isolator switch direct current

Catalogue number(s): 4 142 61, 4 142 62, 4 412 63



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## 1. DESCRIPTION - USE

- Modular isolator switch to control direct current electrical circuits.
- This isolator switch is suitable for photovoltaic applications.

Symbol:



- Double break contacts.
- Visible contact indication.
- Number of protected poles: 2.

## 2. RANGE

Rated current In:

- . 16 A / 25 A / 32 A.

Rated voltage:

- . 600 V DC (direct current)

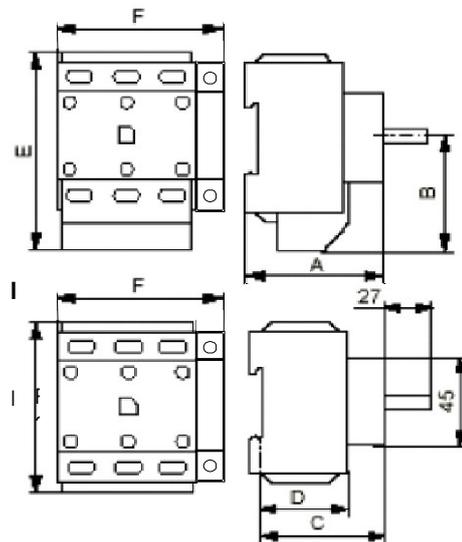
Catalogue numbers:

- . 4 142 61: 16 Amp model
- . 4 142 62: 25 Amp model
- . 4 142 63: 32 Amp model

## 3. DIMENSIONS

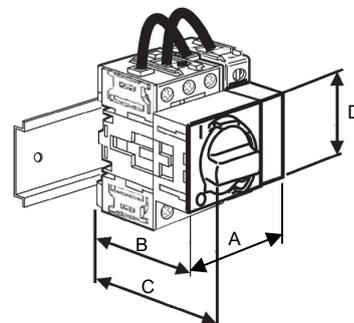
16 to 32A bare isolator switch with and without terminal covers.

## 3. DIMENSIONS (cont.)



Current	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
16 to 32A	65	57.9	60	42.2	101	71.5	85

16 to 32A rotary isolator switch mounted on DIN rail



Current	A (mm)	B (mm)	C (mm)	D (mm)
16 to 32A	71.5	63	89	45

## 4. FITTING – CONNECTION

### Fitting:

On DIN 35 rail, product locked onto the rail by the terminal block.

### Screw head:

Combi, slotted and Pozidriv No. 2.

### Recommended tightening torque:

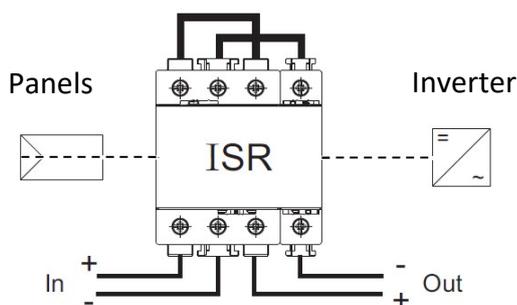
2.5 Nm

### Lockout:

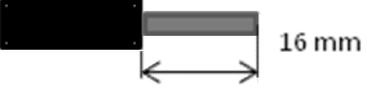
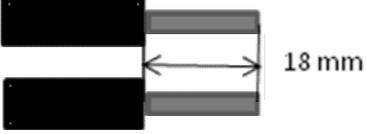
- Possible in position 0 / OFF = open circuit.
- By padlock (cat. no. 0 227 97)

### Connection:

- From below with 1 or 2 conductors per cage terminal.
- The use of the terminal cover is essential when 2 conductors are fitted per cage terminal.
- The isolator switch takes inverse current.



### Stripping:

Catalogue Nos.	4 142 61 to 4 142 63
Connection with 1 conductor	1.5 to 10 mm <sup>2</sup>
1 conductor per terminal with or without ferrule	 16 mm
Connection with 2 conductors	2 x 4 or 2 x 6 mm <sup>2</sup>
2 conductors per terminal with or without ferrule	 18 mm

## 5. GENERAL CHARACTERISTICS

### Rated impulse withstand voltage:

U<sub>imp</sub> = 8kV

### Insulation voltage:

U<sub>i</sub> = 800V

### Utilisation category:

DC21B

DC-PV1

### Rated short time withstand current:

I<sub>cw</sub> = 400A

### Rated short-circuit making capacity:

I<sub>cm</sub> = 500A

### Ambient operating temperature:

Min = -25°C Max = +70°C

### Ingress protection rating:

IP 2X

### Impact protection rating:

IK05

### Climatic resistance:

- Tropical environment / Damp heat according to IEC 68-2-3 and IEC 68-2-30
- Salt spray resistance / Tropicalisation  
UTE C 63-100 Execution 2 followed by 48 hrs of salt spray.

### Container mounted:

- Plexo 3
- Marina
- Others ...

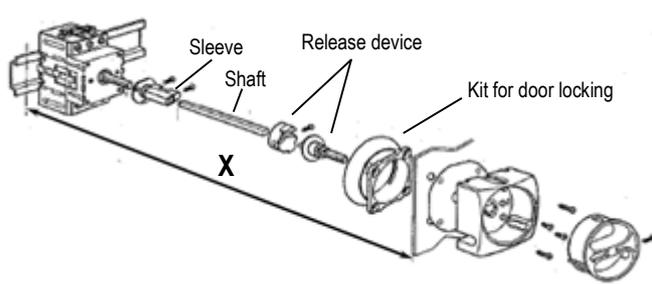
## 6. COMPLIANCE

- Complies with standard IEC / EN 60947-3
- Utilisation category DC21B
- Utilisation category DC-PV1

## 7. ACCESSORIES

- Kit for clutch drive presentation composed of a sleeve, a metal shaft and release device with door locking. This kit can be assembled with or without the metal shaft. It is also possible to omit the door locking device.
- The sealing kit for clutch drive which is placed behind the unit makes it possible to move from IP 40 to IP 65. The catalogue number for this kit is: 0 222 71.

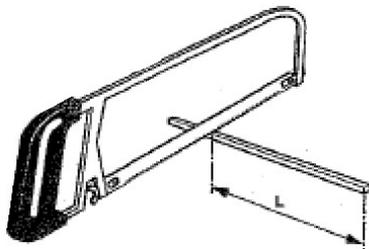
### Kit for clutch drive presentation



	Without shaft	Short shaft Catalogue number: 0227 33	Long shaft Catalogue number: 0222 74
Dim. X in mm	95 to 110	135 to 260	260 to 410

Dimension X = front of DIN rail / front of door panel.

### Shaft cut to length



$$L = X - 102\text{mm}$$

### Panel drilled for clutch drive

