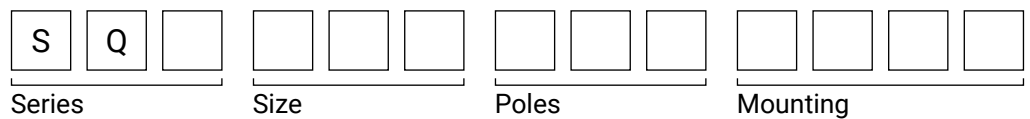




SQN125... SQN160...

REGOLUS SWITCH DISCONNECTORS (125 A / 160 A)

Code reading



Type R
panel mounting



-	3 poles
-	SQN125003R
-	SQN160003R

Type R
panel mounting



6 poles	3+3 poles (changeover)
SQN125006R	SQN125033R
SQN160006R	SQN160033R

Type B
base mounting



-	3 poles
-	SQN125003B
-	SQN160003B

Type B
base mounting



6 poles	3+3 poles (changeover)
SQN125006B	SQN125033B
SQN160006B	SQN160033B

SPECIFICATIONS

General characteristics

Material group		EN 60947-1	II	
Pollution grade		EN 60947-1	3	
Flammability	live electrical parts	UL94	V0	
Ambient temperature	operating storage		-25 ... +55°C -30 ... +70°C	
Climate withstand		IEC 68 part 2-3 IEC 68 part 2-30	damp heat, steady state damp heat, cyclic	
Connections	terminal block caliber	EN60947-1	A11	
	terminal screw		M8	
	tightening torque	EN60947-1 UL508	6 N·m 53 lb·in (6 N·m)	
Connectable section	flexible conductors	SQN125 SQN160	50 mm ² 70 mm ²	AWG 0 AWG 00
Contacts			slow action double breaking	
Opening angles			90°	
Mechanical lifetime	@ 120 operations / hour		0.1 million cycles	
Maximum altitude derating	up to 2000 m over 2000 m	voltage (V) power (A)	standard < 1% each 100 m < 1% each 1000 m	

EN 60947-3 characteristics

		SQN125	SQN160
Rated operating voltage	U _e	690 V	690 V
Rated insulation voltage	U _i	800 V	800 V
Rated impulse withstand voltage (sectionable)	U _{imp}	8 kV	8 kV
Rated thermal current	I _{th}	125 A	160 A
Rated enclosed thermal current	I _{the}	125 A	160 A
Frequency		50/60 Hz	50/60 Hz

Alternate current

Rated operating current		I_e	SQN125	SQN160
AC-21A	Switching of resistive loads, including moderate overloads	690 V	125 A	160 A
AC-22A	Switching of mixed resistive and inductive loads, including moderate overloads	500 V	125 A	160 A
		690 V	125 A	160 A
AC-23A	Switching of motor loads or other highly inductive loads	3 phases - 3 poles 400 V	125 A	160 A
		500 V	100 A	125 A
		690 V	80 A	100 A

Direct current

DC-21B	Switching of resistive loads, including moderate overloads	600 V	10 A	10 A
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Short circuit characteristics

		SQN125	SQN160
Rated short-time short circuit withstand current (1 s)	I_{cw}	3000 A	3000 A
Rated short circuit making capacity	I_{cm}	4500 A	4500 A
Conditional rated short circuit withstand current		10 kA 10 kA	10 kA 10 kA
Fuse rating (type gG)	690 V	125 A	125 A

UL 508 characteristics

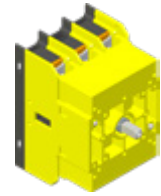
		SQN125	SQN160	
General use	600 V AC	125 A	150 A	
Standard motor load	3 phases - 3 poles	240 V AC	25 HP	25 HP
		480 V AC	50 HP	50 HP
		600 V AC	60 HP	60 HP

OVERALL DIMENSIONS

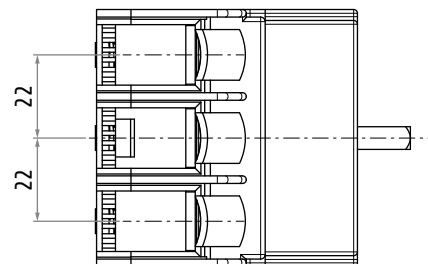
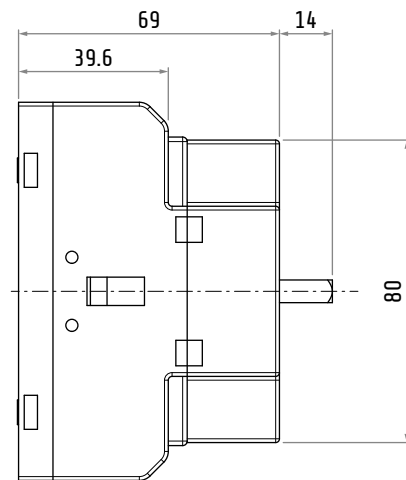
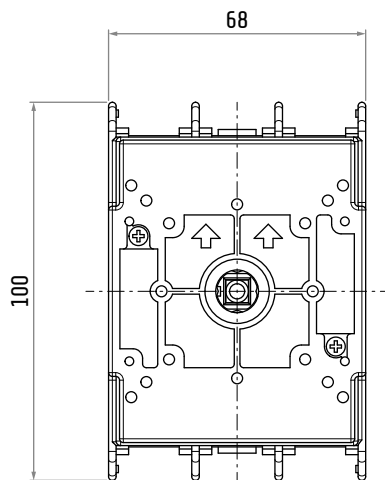
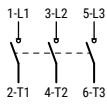
Type R

- rear panel mounting
- screw fixing

- 3 poles



Series	3 poles	AC-21A 690 V	AC-23A 400 V
SQN125	SQN125003R	125 A	125 A
SQN160	SQN160003R	160 A	160 A



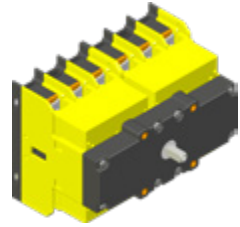
Marking: CE, UL, UKCA

Dimensions in mm / illustrations NOT in scale

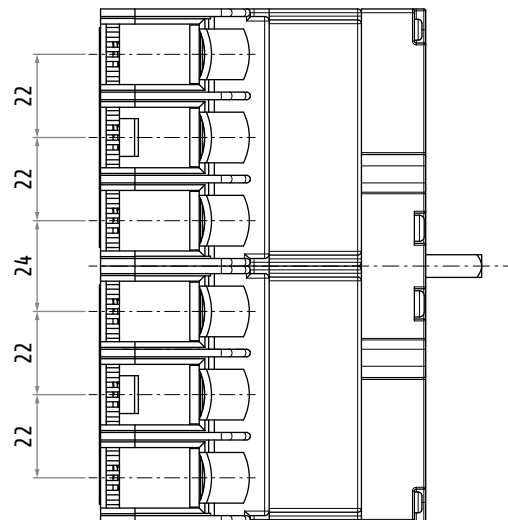
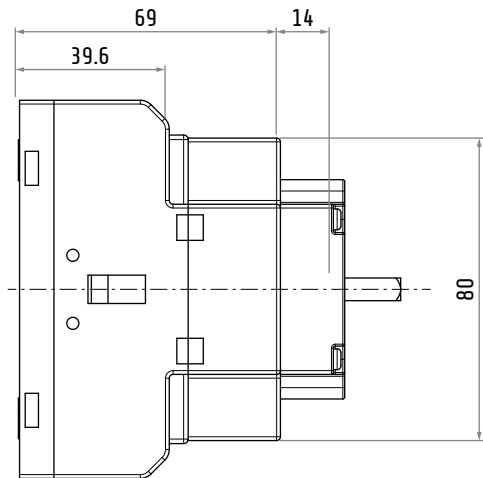
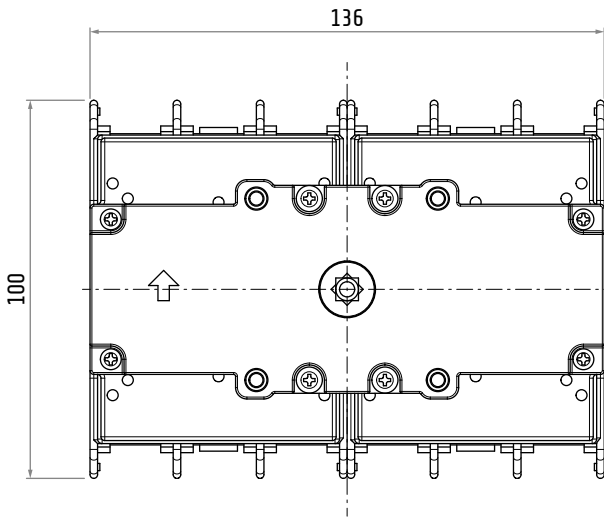
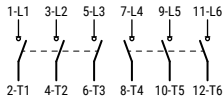
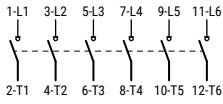
Type R

- rear panel mounting
- screw fixing

- 6 poles or 3 + 3 poles (changeover)



Series	6 poles	3 + 3 poles (changeover)	AC-21A 690 V	AC-23A 400 V
SQN125	SQN125006R	SQN125033R	125 A	125 A
SQN160	SQN160006R	SQN160033R	160 A	160 A



SQN160 with 6 poles does not carry the UL marking

Marking: CE, UL, UKCA

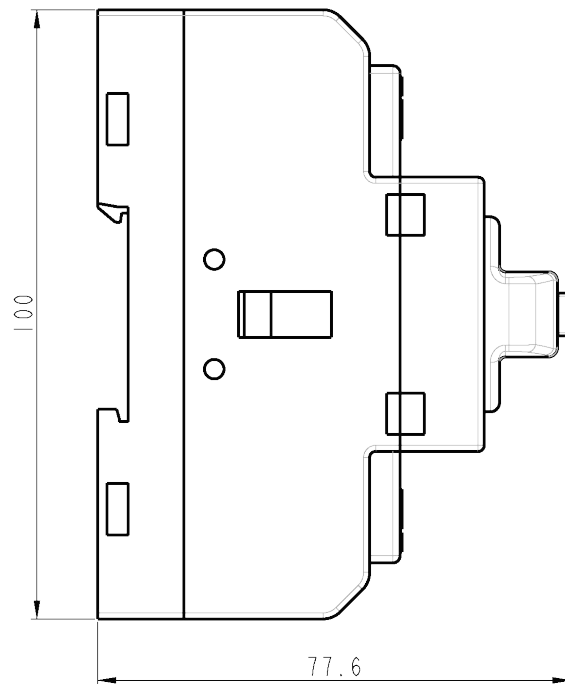
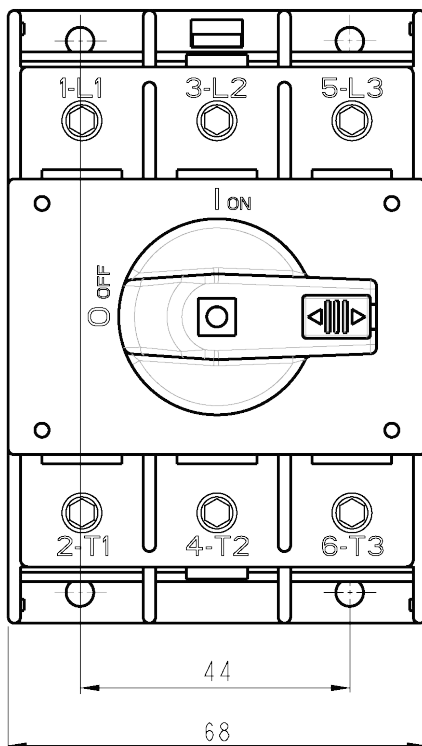
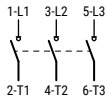
Dimensions in mm / illustrations NOT in scale

Type B



- base mounting
- DIN rail 35 mm mounting (EN 50022-35)
- direct command and door locking
- 2 or 3 poles

Series	3 poles	AC-21A 690 V	AC-23A 400 V
SQN125	SQN125003B	125 A	125 A
SQN160	SQN160003B	160 A	160 A



(A) DIN rail 35 mm (EN 50022-35)

This configuration allows both base mounting and DIN mounting.

Marking: CE, UL, UKCA

Dimensions in mm / illustrations NOT in scale

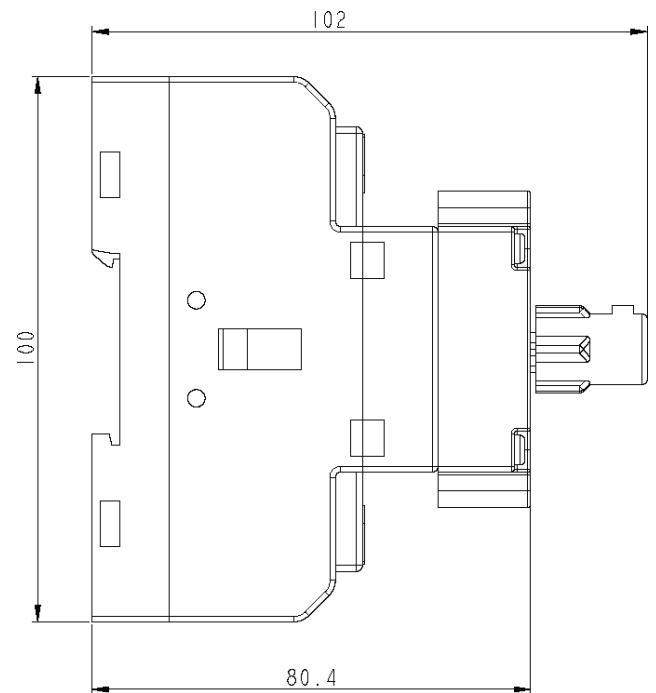
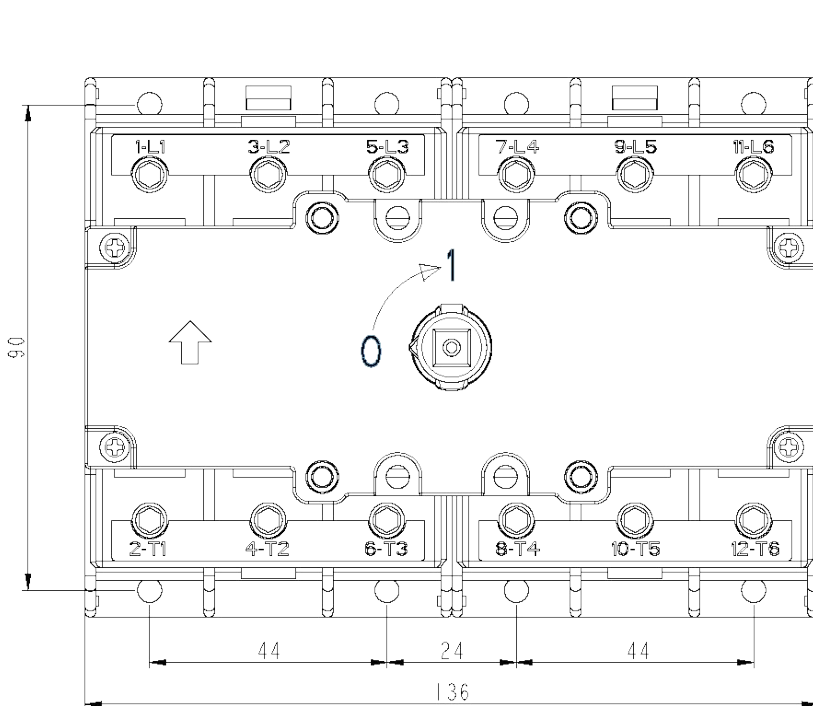
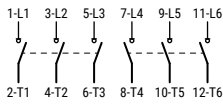
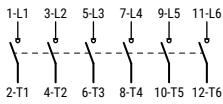
Type B

- base mounting
- DIN rail 35 mm mounting (EN 50022-35)

- suitable for door locking actuators
- 6 poles or 3 + 3 poles (changeover)



Series	6 poles	3 + 3 poles (changeover)	AC-21A 690 V	AC-23A 400 V
SQN125	SQN125006B	SQN125033B	125 A	125 A
SQN160	SQN160006B	SQN160033B	160 A	160 A



(A) DIN rail 35 mm (EN 50022-35)

SQN160 with 6 poles does not carry the UL marking

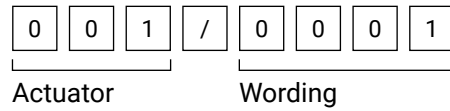
This configuration allows both base mounting and DIN mounting.

Marking: CE, UL, UKCA

Dimensions in mm / illustrations NOT in scale

ACTUATORS

Actuator code reading



Switch disconnectors / actuators matrix



Type	R	R	B	B
Mounting	panel	panel	base	base
Poles	2 / 3	6 3 + 3 *	2 / 3	6 3 + 3 *

ACTUATOR

67x67
Grey/Black
padlock
screw
Ø 22



319/...
-

319/...
-

319/...
-

321/...
-

321/...
-

321/...
-

67x67
Yellow/Red
padlock
screw
Ø 22



320/...
-

320/...
-

320/...
-

322/...
-

322/...
-

322/...
-

Ø78
Grey/Black
padlock
screw
Ø 22



309/...
-

309/...
-

309/...
-

311/...
-

311/...
-

311/...
-

Ø78
Yellow/Red
padlock
screw
Ø 22



310/...
-

310/...
-

310/...
-

312/...
-

312/...
-

312/...
-

WORDING



...0001



...0001



...0008



...0001



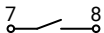











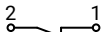













...0001



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* Changeover

ACCESSORIES

		Panel mounting	Base mounting
Additional poles			
Additional pole NO		 SQN125AFPR SQN160AFPR	 SQN125AFPB SQN160AFPB
4th pole (early make contact)		 SQN125ANIR SQN160ANIR	 SQN125ANIB SQN160ANIB
Neutral terminal		 SQN125ANPR SQN160ANPR	 SQN125ANPB SQN160ANPB
Ground terminal		 SQN125APER SQN160APER	 SQN125APEB SQN160APEB
Auxiliary contacts			
Auxiliary contact 1 NC		 SQ010AS5R	 SQ010AS5B \oplus
Auxiliary contact 1 NO		 SQ010AS6R	 SQ010AS6B
Terminal protections			
Terminal protection for 3 poles		 20900064	 20900064
Terminal protection for 1 pole		 20900065	 20900065
Tools			
Fixing device		 PCF	 PCF
Shaft extension 6x6	L = 185 mm	-	 20900010
	L = 300 mm	-	 20900011

