



SQN125... SQN160...

REGOLUS SWITCH DISCONNECTORS (125 A / 160 A)

Code reading

S	Q									
Series			Size			Poles			Mounting	

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	Ue	690 V	690 V
Rated insulation voltage	Ui	800 V	800 V
Rated impulse withstand voltage (sectionable)	Uimp	8 kV	8 kV
Rated thermal current	Ith	125 A	160 A
Rated enclosed thermal current	Ithe	125 A	160 A
Frequency		50/60 Hz	50/60 Hz

Alternate current

Rated operating current			le	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)	lcw		3000 A	3000 A
Rated short circuit making capacity	lcm		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

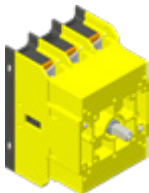
UL 508 characteristics

			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

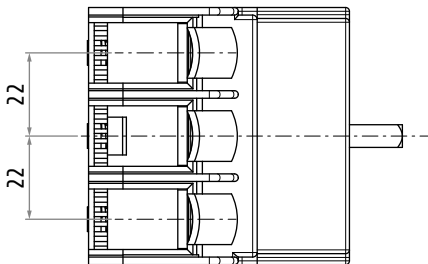
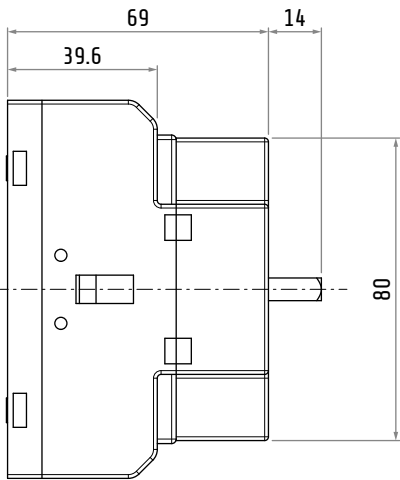
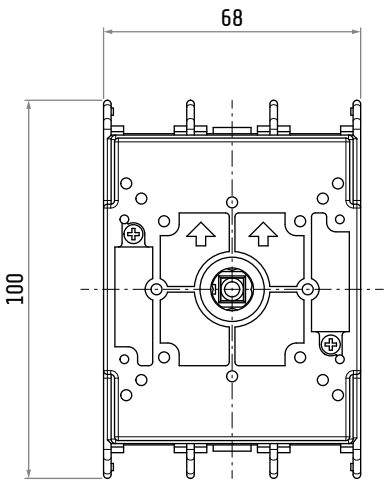
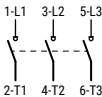
OVERALL DIMENSIONS

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

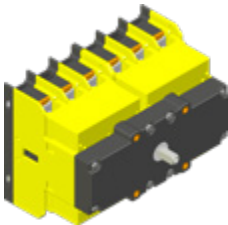


Marking: CE, UL, UKCA

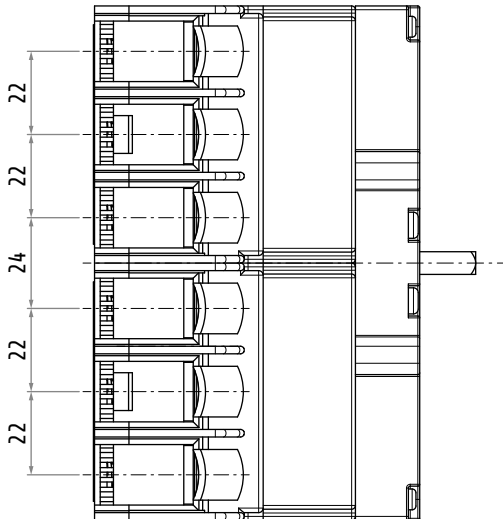
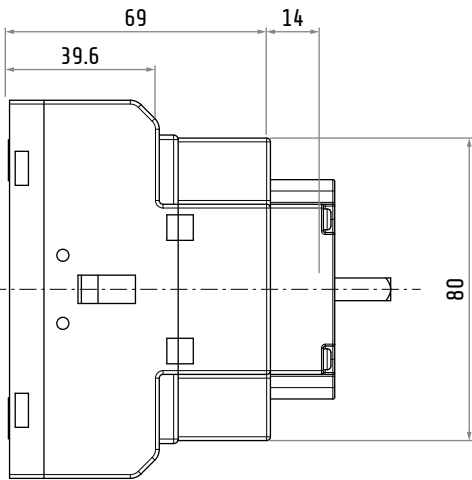
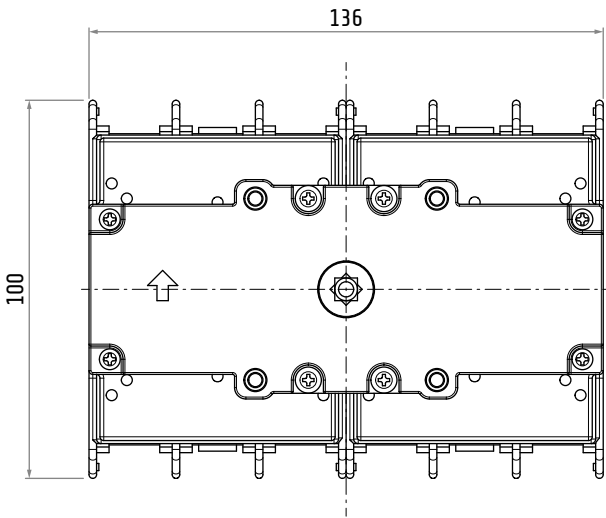
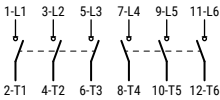
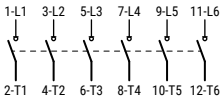
Dimensions in mm / illustrations NOT in scale

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

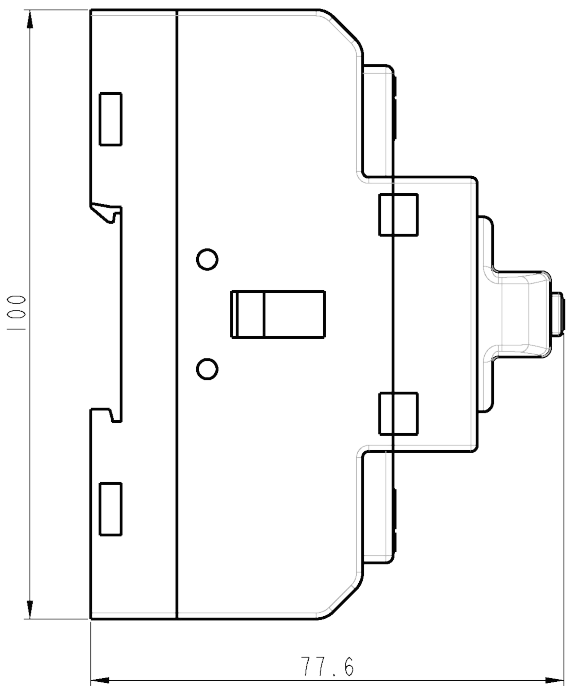
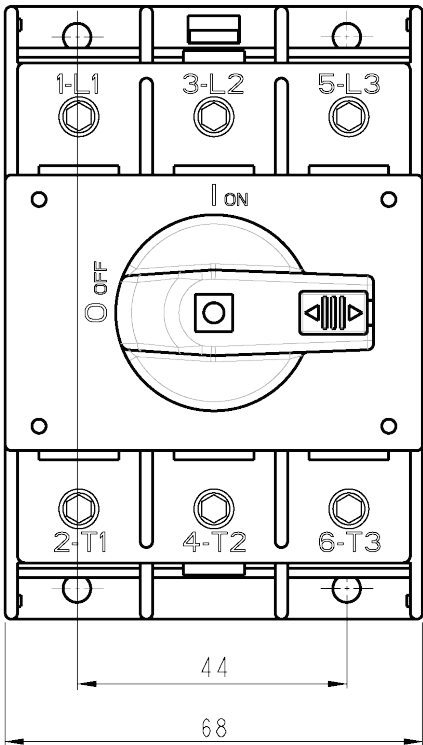
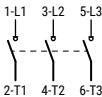
Dimensions in mm / illustrations NOT in scale

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

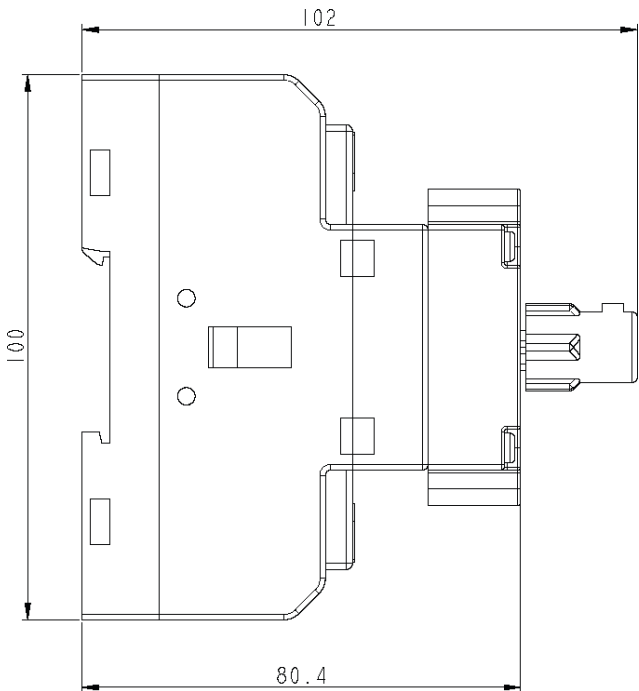
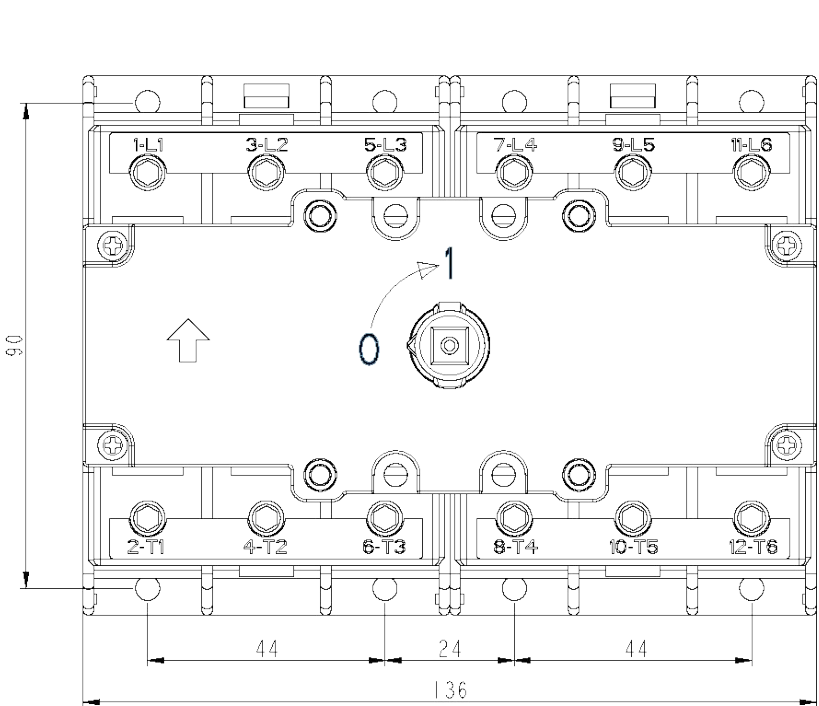
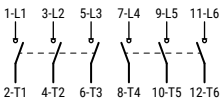
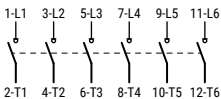
Dimensions in mm / illustrations NOT in scale

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)

This configuration allows both base mounting and DIN mounting.

SQN160 with 6 poles does not carry the UL marking

Marking: CE, UL, UKCA

Dimensions in mm / illustrations NOT in scale

ACTUATORS

Actuator code reading

0	0	1	/	0	0	0	1
Actuator				Wording			

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



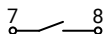
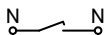
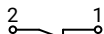
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* Changeover

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 
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 6×6	L = 185 mm	-	-		20900010
	L = 300 mm	-	-		20900011

