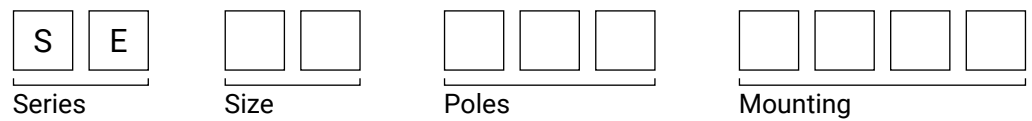




# SE16... SE32...

## REGOLUS SWITCH DISCONNECTORS (32 A / 40 A)

### Code reading



		2 poles	3 poles	4 poles
Type R panel mounting		SE1610F2R	SE163003R	SE163004R
		SE3210F2R	SE323003R	SE323004R
Type X panel mounting		SE1610F2X	SE163003X	SE163004X
		SE3210F2X	SE323003X	SE323004X
Type B base mounting		SE1610F2B	SE163003B	SE163004B
		SE3210F2B	SE323003B	SE323004B

# SPECIFICATIONS

## General characteristics

Protection class	control	EN 60529	IP65
	terminals		IP 20
Material group		EN 60947-1	II
Pollution grade		EN 60947-1	3
Flammability	live electrical parts	UL94	V0
Ambient temperature	operating		-25 ... +55°C
	storage		-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	A2
	terminal screw		M3.5
	tightening torque	EN60947-1 UL508	0.8 N·m 12 lb·in
Connectable section	flexible conductors		1 ... 2.5 mm <sup>2</sup> AWG 10 ... 2
	solid conductors		1 ... 2.5 mm <sup>2</sup> AWG 10 ... 2
Contacts			slow action double breaking
Opening angles			90°
Mechanical lifetime	@ 120 operations / hour		0.1 million cycles
Maximum altitude derating	up to 2000 m		standard
	over 2000 m	voltage (V) power (A)	< 1% each 100 m < 1% each 1000 m

## EN 60947-3 characteristics

		SE16	SE32
Rated operating voltage	Ue	690 V *	690 V *
Rated insulation voltage	Ui	690 V *	690 V *
Rated impulse withstand voltage (sectionable)	Uimp	4 kV *	4 kV *
Rated thermal current	Ith	32 30* A	40 A *
Rated enclosed thermal current	Ithe	32 30* A	40 A *
Frequency		50 Hz	50 Hz

\* IMQ values.

## Alternate current

Rated operating current		le		SE16	SE32
AC-21A	Switching of resistive loads, including moderate overloads		690 V	32 30* A	40 32* A
AC-22A	Switching of mixed resistive and inductive loads, including moderate overloads		690 V	25 20* A	32 A *
AC-23A	Switching of motor loads or other highly inductive loads	3 phases - 3 poles	230 V	25 A 7.5 kW	32 A 10 kW
			400 V	25 A 15 kW	32 A 18.5 kW
			500 V	25 A 15 kW	32 A 22 kW
			690 V	20 16* A 18.5 kW	25 A * 22 kW
AC-3	Squirrel-cage motors: starting, switches off motors during running time	3 phases - 3 poles	230 V	22 A 7.5 kW	30 A 9 kW
			400 V	22 A 11 kW	30 A 15 kW
			500 V	22 A 11 kW	30 A 18.5 kW
			690 V	22 12*A 11 kW	22 20*A 18.5 kW
AC-23A	Nominal breaking capacity (cosφ 0.45)		230 V	200 A	256 A
			400 V	200 A	256 A
			500 V	200 A	256 A
			690 V	160 A	200 A

## Short circuit characteristics

			SE16	SE32
Rated short-time short circuit withstand current (1 s)	lcw		400 A *	400 A *
Rated short circuit making capacity	lcm		1500 A *	1500 A *
Conditional rated short circuit withstand current			10 kA *	10 kA *
Fuse rating (type gG)		690 V	40 A *	40 A *

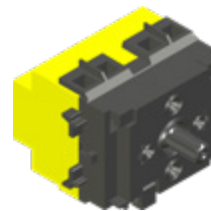
## UL 508 characteristics

			SE16	SE32
General use		600 V AC	32 A	40 A
Standard motor load	1 phase - 2 poles	120 V AC	1.5 HP 20 FLA	2 HP 24 FLA
		200 - 208 V AC	2 HP	3 HP
		240 V AC	3 HP 17 FLA	5 HP 28 FLA
	3 phases - 3 poles	200 - 208 V AC	7.5 HP	10 HP
		240 V AC	7.5 HP 22 FLA	10 HP 28 FLA
		480 V AC	10 HP 14 FLA	15 HP 21 FLA
	600 V AC	15 HP 17 FLA	20 HP 22 FLA	

\* IMQ values.

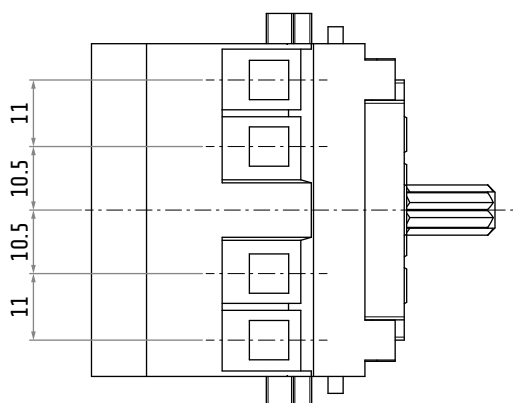
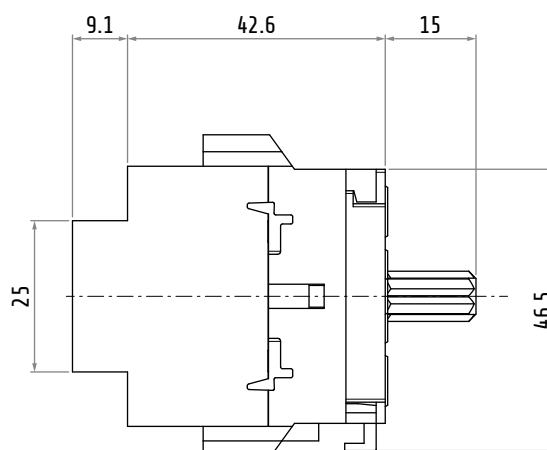
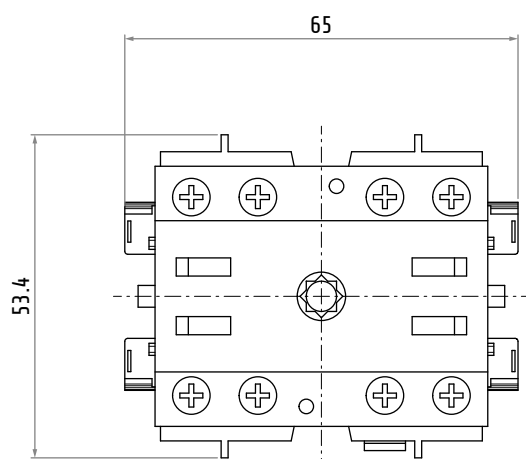
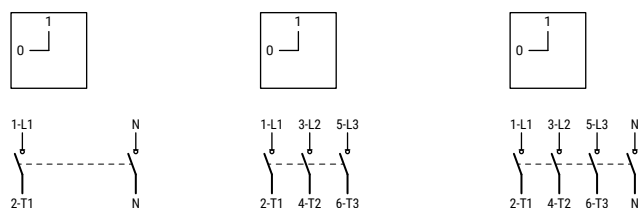
# OVERALL DIMENSIONS

## Type R



- rear panel mounting
- screw fixing
- 2, 3 or 4 poles

Series	2 poles	3 poles	4 poles	AC-21A 690 V	AC-23A 400 V
SE16	SE1610F2R	SE163003R	SE163004R	32 A	25 A
SE32	SE3210F2R	SE323003R	SE323004R	40 A	32 A



Marking: CE, UL, IMQ, EAC, CCC, RINA, UKCA

Dimensions in mm / illustrations NOT in scale

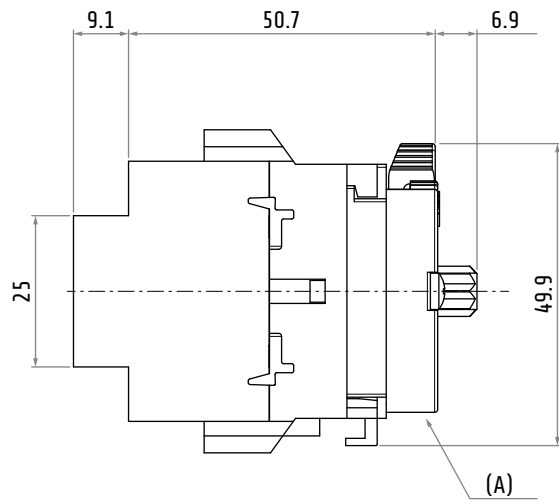
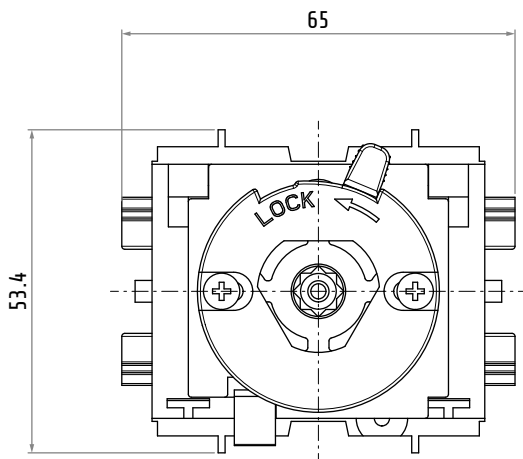
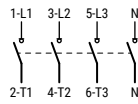
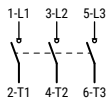
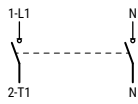
# Type X



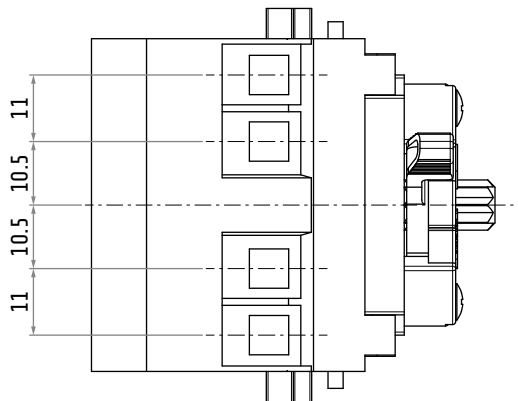
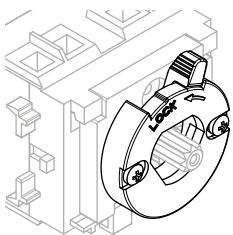
- rear panel mounting
- Ø 22.5 central hole fixing panel

• 2, 3 or 4 poles

Series	2 poles	3 poles	4 poles	AC-21A 690 V	AC-23A 400 V
SE16	SE1610F2X	SE163003X	SE163004X	32 A	25 A
SE32	SE3210F2X	SE323003X	SE323004X	40 A	32 A



(A) Lever fixing Ø 22



Marking: CE, UL, IMQ, EAC, CCC, RINA, UKCA

Dimensions in mm / illustrations NOT in scale

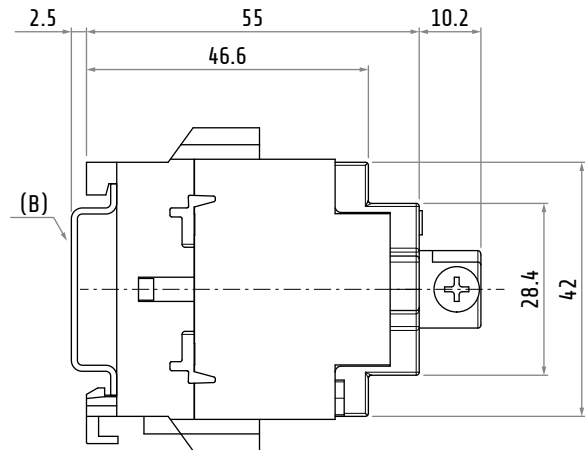
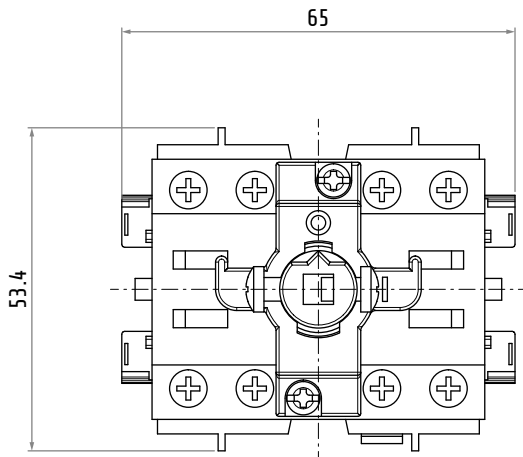
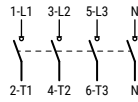
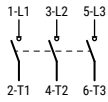
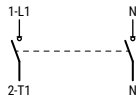
## Type B

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

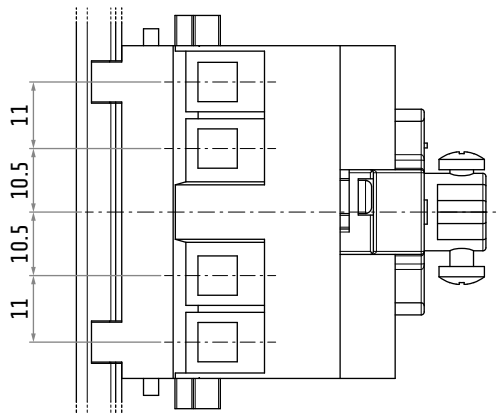
- suitable for door locking actuators
- 2, 3 or 4 poles



Series	2 poles	3 poles	4 poles	AC-21A 690 V	AC-23A 400 V
SE16	SE1610F2B	SE163003B	SE163004B	32 A	25 A
SE32	SE3210F2B	SE323003B	SE323004B	40 A	32 A



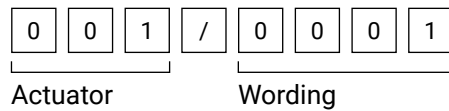
(B) DIN rail 35 mm (EN 50022-35)



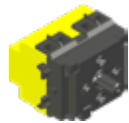
Marking: CE, UL, IMQ, EAC, CCC, RINA, UKCA

# ACTUATORS

## Actuator code reading



## Switch disconnectors / actuators matrix



Type	R	X	B
Mounting	panel	panel	base
Poles	2 / 3 / 4	2 / 3 / 4	2 / 3 / 4




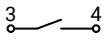














### ACTUATOR

<b>48x48</b> Grey/Black screw Ø 22	 001/... -	 - 079X/...	 020/... 095/...
<b>48x48</b> Yellow/Red screw Ø 22	 002/... -	 - 080X/...	 030/... 070/...
<b>48x48</b> Grey/Black padlock screw Ø 22	 003/... -	 - 087X/...	 005/... 077/...
<b>48x48</b> Yellow/Red padlock screw Ø 22	 004/... -	 - 088X/...	 006/... 069/...
<b>67x67</b> Grey/Black padlock screw Ø 22	 009/... -	 - 089X/...	 011/... 063/...
<b>67x67</b> Yellow/Red padlock screw Ø 22	 010/... -	 - 090X/...	 012/... 064/...

### WORDING



# ACCESSORIES

		Panel mounting		Base mounting
<b>Auxiliary contacts</b>				
Auxiliary contact 1 NC *			PL004001	 PL004001
Auxiliary contact 1 NO *			PL004002	 PL004002
Auxiliary contacts fixing plate			11814021	 11814021
<b>Conversion from panel to box mounting</b>				
Box fixing plate			11814005	-
Shaft			11706237	-
<b>Tools</b>				
Fixing device			PCF	 PCF
Shaft extension 5x5	L = 185 mm L = 300 mm		- -	 20401089 20401164
<b>Enclosures</b>				
Thermoplastic enclosure **	max 4 poles cover with holes		-	 BF1/1NG0
Thermoplastic enclosure	max 6 poles cover with holes		BF1/2NG0	-
Thermoplastic enclosure	max 4 poles cover without holes		BN1/0NG0	-
Metal enclosure	max 4 poles cover without holes		BNA/0NGA	 BNA/0NGA

\* The auxiliary contacts must be matched to the fixing plate code 11814021.

\*\* Base fixing plate code 11814005 and shaft code 11706237 needed.