

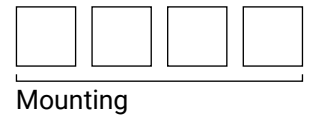
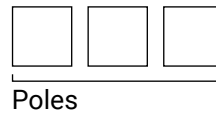
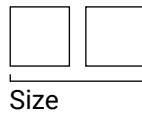


# FS20...

# FS30...

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

### Code reading



Type B  
base mounting



2 poles	3 poles	4 poles
FS2010F2B	FS203003B	FS203004B
FS3010F2B	FS303003B	FS303004B

# SPECIFICATIONS

## General characteristics

Protection class	control	EN 60529 UL50 / NEMA	IP65 Type 1 - 4 - 4X
	terminals		IP 20
Material group		EN 60947-1	II
Pollution grade		EN 60947-1	3
Flammability		UL94	V0 (live electrical parts)
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
Terminal screw identification	conforming to		EN50013
Connections	terminal block caliber	EN60947-1	A6
	terminal screw		M4
	tightening torque	EN60947-1 UL508	1.2 N·m 7 lb·in (0.8 N·m)
Connectable section	flexible conductors		1.5 ... 10 mm <sup>2</sup> AWG 16 ... 8
	solid conductors		1.5 ... 10 mm <sup>2</sup> AWG 16 ... 8
Contacts			slow action double breaking
Opening angles			90°
Mechanical lifetime	@ 120 operations / hour		0.1 million cycles
Maximum altitude derating	up to 2000 m	voltage (V) power (A)	standard
	over 2000 m		< 1% each 100 m < 1% each 1000 m

## EN 60947-3 characteristics

		SE16	SE32
Rated operating voltage	U <sub>e</sub>	690 V *	690 V *
Rated insulation voltage	U <sub>i</sub>	690 V *	690 V *
Rated impulse withstand voltage (sectionable)	U <sub>imp</sub>	4 kV *	4 kV *
Rated thermal current	I <sub>th</sub>	32 30* A	40 A *
Rated enclosed thermal current	I <sub>the</sub>	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

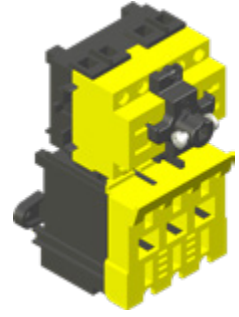
			SE16	SE32
General use		600 V AC	32 A	40 A
Standard motor load	1 phase - 2 poles	120 V AC	1.5 HP 20 FLA	2 HP 24 FLA
		200 - 208 V AC	2 HP	3 HP
		240 V AC	3 HP 17 FLA	5 HP 28 FLA
	3 phases - 3 poles	200 - 208 V AC	7.5 HP	10 HP
		240 V AC	7.5 HP 22 FLA	10 HP 28 FLA
		480 V AC	10 HP 14 FLA	15 HP 21 FLA
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

\* IMQ values.

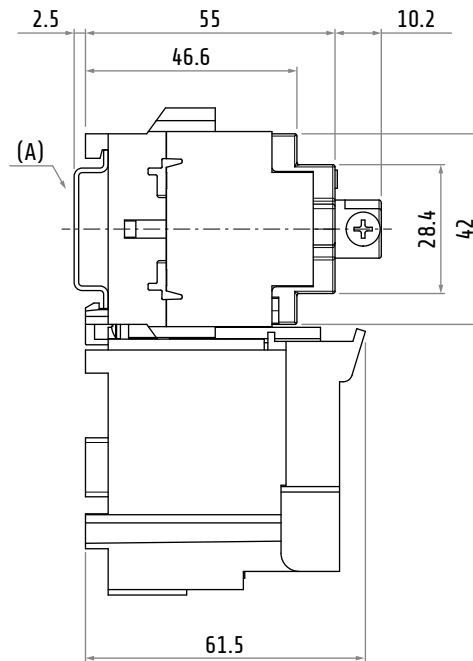
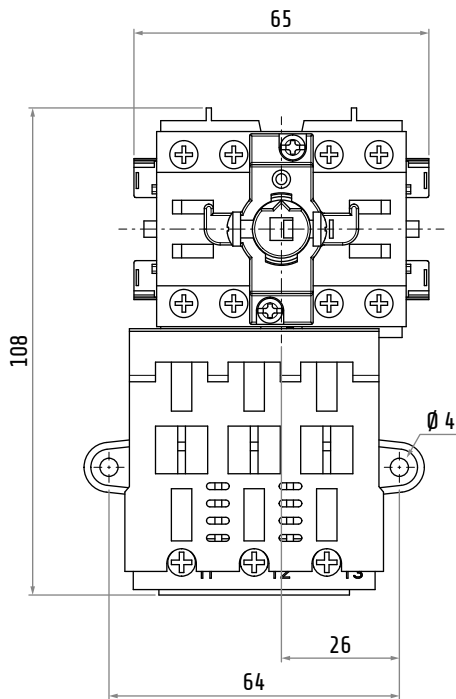
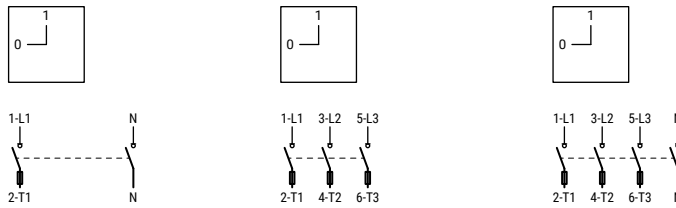
# OVERALL DIMENSIONS

## Type B

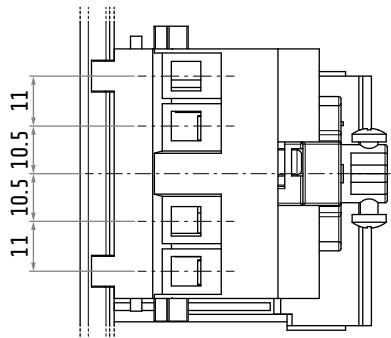
- base mounting
- DIN rail 35 mm mounting (EN 50022-35)
- suitable for door locking actuators
- sectionable holder for cylindrical fuses 10.3×38 mm UL (max 32 A)
- 2, 3 or 4 poles



Series	2 poles	3 poles	4 poles	AC-21A 690 V	UL general use 600 V
FS20	FS2010F2B (SE1610F2B + TF322)	FS203003B (SE163003B + TF323)	FS203004B (SE163004B + TF323)	25 A	20 A
FS30	FS3010F2B (SE3210F2B + TF322)	FS303003B (SE323003B + TF323)	FS303004B (SE323004B + TF323)	32 A	30 A



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

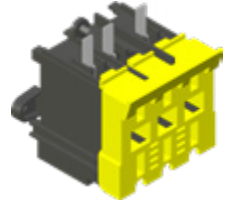


Marking (switch disconnectors)



Dimensions in mm / illustrations NOT in scale

## Fuse holder



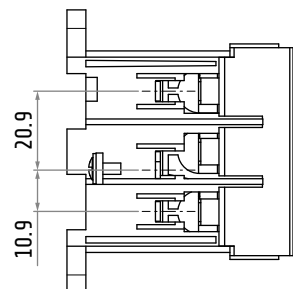
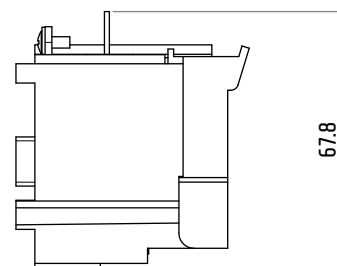
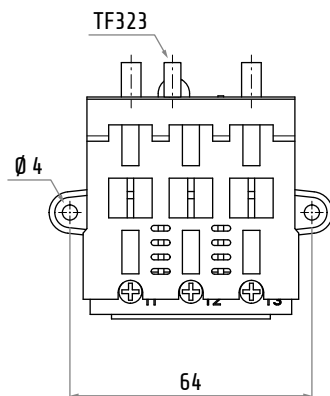
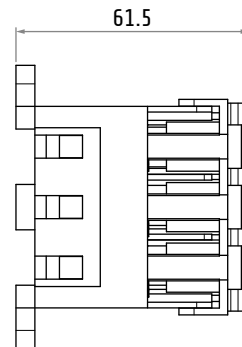
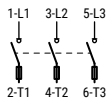
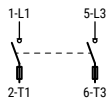
- to be combined with SE16 and SE32 switch disconnectors (2, 3 and 4 poles)
- for cylindrical fuses 10.3×38 mm UL (max 32 A)
- IP20 terminal protection

2 poles

3 poles

TF322

TF323



Marking



Dimensions in mm / illustrations NOT in scale

## ACTUATORS

### Switch disconnectors / actuators matrix


#### Actuator code reading

0	0	1	/	0	0	0	1
Actuator				Wording			





Type	B
Mounting	base
Poles	2 / 3 / 4

#### ACTUATOR

<b>48x48</b> Grey/Black	
screw Ø 22	020/... 095/...

<b>48x48</b> Yellow/Red	
screw Ø 22	030/... 070/...

<b>48x48</b> Grey/Black padlock	
screw Ø 22	005/... 077/...

<b>48x48</b> Yellow/Red padlock	
screw Ø 22	006/... 069/...

<b>67x67</b> Grey/Black padlock	
screw Ø 22	011/... 063/...

<b>67x67</b> Yellow/Red padlock	
screw Ø 22	012/... 064/...

#### WORDING





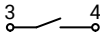

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## ACCESSORIES

### Base mounting


#### Auxiliary contacts


Auxiliary contact 1 NC			PL004001
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Auxiliary contact 1 NO			PL004002
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Auxiliary contacts fixing plate		11814021
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#### Tools

Fixing device		PCF
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Shaft extension 5x5	L = 185 mm		20401089
	L = 300 mm		20401164