



# COMO C

Manual changeover switches  
from 25 to 100 A

Changeover  
switches



como\_179\_a\_1

COMO C  
I-I+II-II 4P 63 A



como\_178\_a\_1

COMO C  
I-0-II 3P 25 A

## The solution for

- > Industry (machine control).



## Strong points

- > High number of operations.
- > Flexibility.
- > Pre-installed bridging bars.
- > Compact Design.

## Conformity to standards

- > IEC 60947-3



- > UL 508



## Function

COMO C are manual multipolar changeover switches with positive break indication. They provide changeover, source inversion or switching under load between two low voltage power circuits, as well as their safety isolation.

## Advantages

### High number of operations

COMO C can perform up to 100 000 operation cycles.

### Flexibility

Four types of changeover switches are available as standard (I-II, I-0-II, I-I+II-II & Bypass I-0-II). Other switching options are available on request.

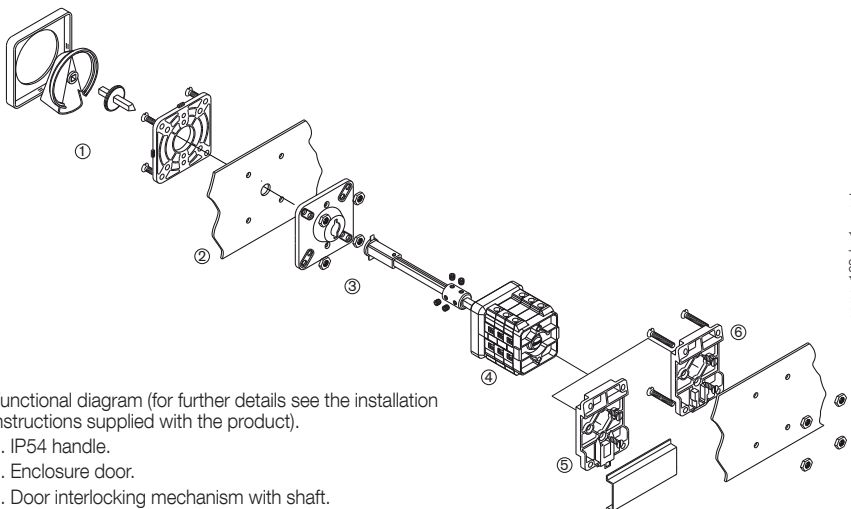
### Bridging bars

Bridging bars are supplied factory fitted as standard.

### Compact design

With its small frame size, the COMO C can be installed where limited space is available.

## Configurations



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Functional diagram (for further details see the installation instructions supplied with the product).

1. IP54 handle.
2. Enclosure door.
3. Door interlocking mechanism with shaft.
4. Switch body
5. DIN rail mounting device.
6. Back plate mounting device.

## References

Rating (A)	No. of poles	Switching type	Switch body	IP54 padlockable handle	IP54 non-padlockable white handle	Shaft and escutcheon for external handle	Back plate mounting device	IP65 gasket		
25 A	3 P	I - II	4220 3002 <sup>(1)</sup>	Black/Grey 4259 1042 Red/Yellow 4259 1043	I - II 4259 2022 I - 0 - II and Bypass 4259 3022 I - I+II - II 4259 4022	200 mm 4259 5042	DIN rail mounted 4259 9001 Base-mounted 4259 9040	4299 5001 <sup>(2)</sup>		
	4 P	I - II	4220 4002 <sup>(1)</sup>							
	3 P	I - 0 - II	4230 3002 <sup>(1)(3)</sup>							
	4 P	I - 0 - II	4230 4002 <sup>(1)(3)</sup>							
	3 P	I - I+II - II	4240 3002 <sup>(1)</sup>							
	4 P	I - I+II - II	4240 4002 <sup>(1)</sup>							
	3 + 6 P	Bypass I - 0 - II	4250 3002							
	4 + 8 P	Bypass I - 0 - II	4250 4002							
40 A	3 P	I - II	4220 3004 <sup>(1)</sup>		I - II 4259 2042 I - 0 - II and Bypass 4259 3042 I - I+II - II 4259 4042	200 mm 4259 5042	DIN rail mounted 4259 9001 Base-mounted 4259 9040		4299 5001 <sup>(2)</sup>	
	4 P	I - II	4220 4004 <sup>(1)</sup>							
	3 P	I - 0 - II	4230 3004 <sup>(1)(3)</sup>							
	4 P	I - 0 - II	4230 4004 <sup>(1)(3)</sup>							
	3 P	I - I+II - II	4240 3004 <sup>(1)</sup>							
	4 P	I - I+II - II	4240 4004 <sup>(1)</sup>							
	3 + 6 P	Bypass I - 0 - II	4250 3004							
	4 + 8 P	Bypass I - 0 - II	4250 4004							
63 A	3 P	I - II	4220 3006 <sup>(1)</sup>	Black/Grey 4259 1082 Red/Yellow 4259 1083	I - II 4259 2082 I - 0 - II and Bypass 4259 3082 I - I+II - II 4259 4082	200 mm 4259 5082	DIN rail mounted 4259 9001 Base-mounted 4259 9080	4299 5002 <sup>(2)</sup>		
	4 P	I - II	4220 4006 <sup>(1)</sup>							
	3 P	I - 0 - II	4230 3006 <sup>(1)(3)</sup>							
	4 P	I - 0 - II	4230 4006 <sup>(1)(3)</sup>							
	3 P	I - I+II - II	4240 3006 <sup>(1)</sup>							
	4 P	I - I+II - II	4240 4006 <sup>(1)</sup>							
	3 + 6 P	Bypass I - 0 - II	4250 3006							
	4 + 8 P	Bypass I - 0 - II	4250 4006							
80 A	3 P	I - II	4220 3008 <sup>(1)</sup>		Black/Grey 4259 1082 Red/Yellow 4259 1083	I - II 4259 2082 I - 0 - II and Bypass 4259 3082 I - I+II - II 4259 4082	200 mm 4259 5082		DIN rail mounted 4259 9001 Base-mounted 4259 9080	4299 5002 <sup>(2)</sup>
	4 P	I - II	4220 4008 <sup>(1)</sup>							
	3 P	I - 0 - II	4230 3008 <sup>(1)(3)</sup>							
	4 P	I - 0 - II	4230 4008 <sup>(1)(3)</sup>							
	3 P	I - I+II - II	4240 3008 <sup>(1)</sup>							
	4 P	I - I+II - II	4240 4008 <sup>(1)</sup>							
	3 + 6 P	Bypass I - 0 - II	4250 3008							
	4 + 8 P	Bypass I - 0 - II	4250 4008							
100 A	3 P	I - II	4220 3010	Black/Grey 4259 1082 Red/Yellow 4259 1083		I - II 4259 2082 I - 0 - II and Bypass 4259 3082 I - I+II - II 4259 4082	200 mm 4259 5082	DIN rail mounted 4259 9001 Base-mounted 4259 9080	4299 5002 <sup>(2)</sup>	
	4 P	I - II	4220 4010							
	3 P	I - 0 - II	4230 3010							
	4 P	I - 0 - II	4230 4010							
	3 P	I - I+II - II	4240 3010							
	4 P	I - I+II - II	4240 4010							
	3 + 6 P	Bypass I - 0 - II	4250 3010							
	4 + 8 P	Bypass I - 0 - II	4250 4010							

(1) Available enclosed (see page 624).

(2) IP65: protection degree according to IEC 60529 standard.

(3) References available with 1 or 2 A/C, please consult us.

### Accessories

#### IP54 handle

Padlockable handle		
Rating (A)	Handle colour	Reference
25 ... 40	Black/Grey	4259 <b>1042</b>
25 ... 40	Red/Yellow	4259 <b>1043</b>
63 ... 100	Black/Grey	4259 <b>1082</b>
63 ... 100	Red/Yellow	4259 <b>1083</b>

Non-padlockable handle		
Rating (A)	Switching type	Reference
25	I - II	4259 <b>2022</b>
25	I - 0 - II and Bypass	4259 <b>3022</b>
25	I - I+II - II	4259 <b>4022</b>
40	I - II	4259 <b>2042</b>
40	I - 0 - II and Bypass	4259 <b>3042</b>
40	I - I+II - II	4259 <b>4042</b>
63 ... 100	I - II	4259 <b>2082</b>
63 ... 100	I - 0 - II and Bypass	4259 <b>3082</b>
63 ... 100	I - I+II - II	4259 <b>4082</b>



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#### Shaft and escutcheon for external handle

##### Use

Standard length: 200 mm.

Other lengths: Please consult us.

Rating (A)	Length (mm)	Reference
25 ... 40	200 mm	4259 <b>5042</b>
63 ... 100	200 mm	4259 <b>5082</b>



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### Characteristics according to IEC 60947-3

#### 25 to 100 A

Thermal current $I_{th}$ (40 °C)		25 A	40 A	63 A	80 A	100 A
Rated insulation voltage $U_i$ (V)		660	660	660	660	660
Rated impulse withstand voltage $U_{imp}$ (kV)		4	4	4	4	4
Rated operational currents $I_e$ (A)						
Rated voltage	Utilisation category	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>	A/B <sup>(1)</sup>
400 VAC	AC-21 A	25/25	40/40	63/63	80/80	100/100
400 VAC	AC-22 A	25/25	40/40	63/63	80/80	100/100
400 VAC	AC-23 A	20/20	32/32	63/63	63/63	63/63
Operational power in AC-23 (kW)						
At 400 VAC without pre-break <sup>(1)(2)</sup>		9/9	15/15	22/22	30/30	30/30
Reactive power (kvar)						
At 400 VAC <sup>(2)</sup>		14	18	28	37	
Fuse protected short-circuit withstand (kA rms prospective)						
Prospective short-circuit (kA rms) <sup>(3)</sup>		6	6	8	8	8
Associated fuse rating (A) <sup>(3)</sup>		25	40	63	80	100
Short-circuit capacity						
Closing capacity on short-circuit (kA peak) <sup>(3)</sup>		2	2.6	5.8	5.8	6.5
Connection						
Minimum Cu cable cross-section (mm <sup>2</sup> )		2.5	10	16	16	16
Maximum Cu cable cross-section (mm <sup>2</sup> )		6	16	50	50	50
Tightening torque min (Nm)		2	2	3.5	3.5	3.5
Mechanical characteristics						
Durability (number of operating cycles)		100 000	100 000	100 000	100 000	100 000
Weight of 3 P switch (kg)		0.25	0.3	0.55	0.63	0.63
Weight of 4 P switch (kg)		0.31	0.4	0.7	0.8	0.8

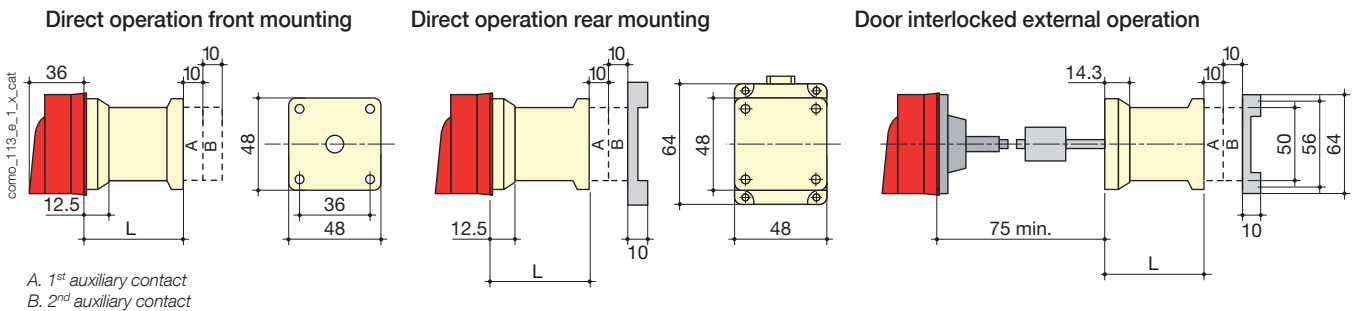
(1) Category with index A = frequent operation - Category with index B = infrequent operation.

(2) The power value is given for information only, the current values vary from one manufacturer to another.

(3) For a rated operational voltage  $U_o = 400$  VAC.

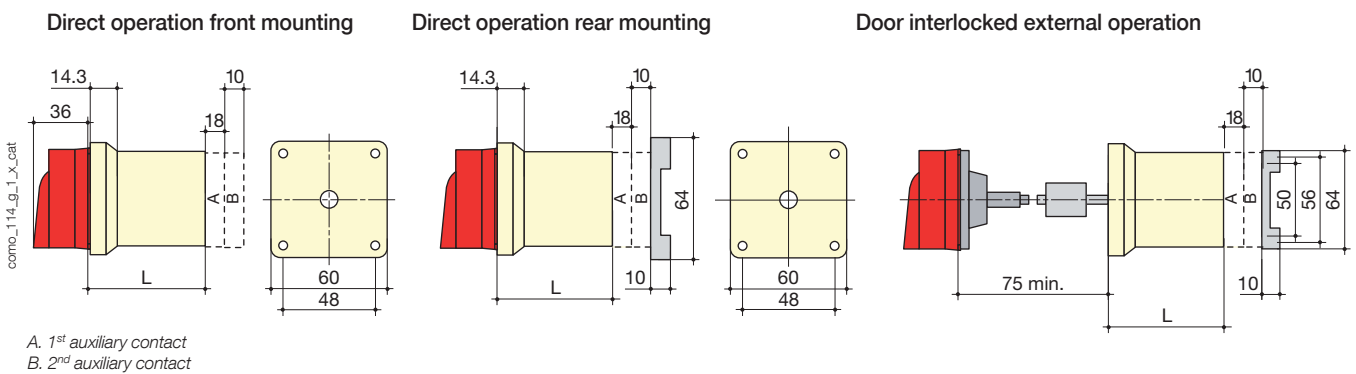
## Dimensions

### COMO C 25 A



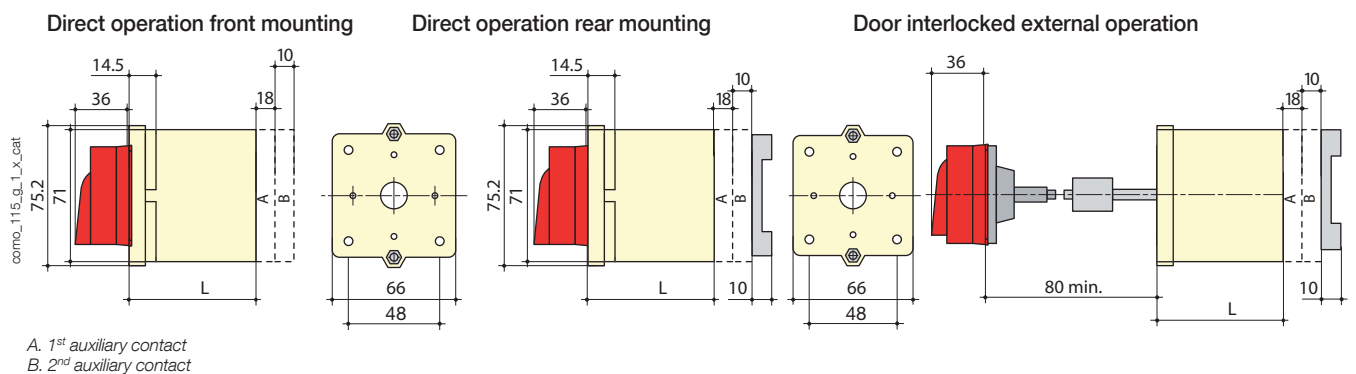
Switching type	L 3p.	L 4p.
I - II	50.5	60.5
I - 0 - II	50.5	60.5
I - I+II - II	50.5	60.5
Bypass I - 0 - II	70.5	80.5

### COMO C 40 A



Switching type	L 3p.	L 4p.
I - II	60.3	72.3
I - 0 - II	60.3	72.3
I - I+II - II	60.3	72.3
Bypass I - 0 - II	84.3	96.3

### COMO C 63 to 100 A



Switching type	L 3p.	L 4p.
I - II	82	99.5
I - 0 - II	82	99.5
I - I+II - II	82	99.5
Bypass I - 0 - II	117	134.5