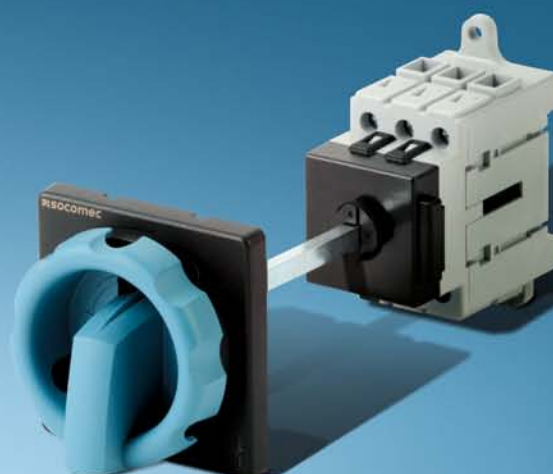


COMO

Non-fusible disconnect switches
from 30 to 50 A

EDITION 2



your energy
our expertise

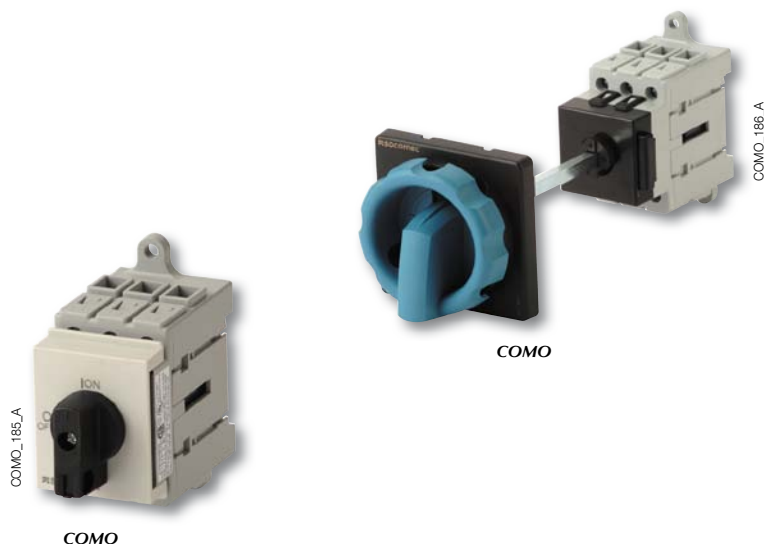


socomec
Innovative Power Solutions



COMO

Non-fusible disconnect switches from 30 to 50 A



Function

COMO are compact and modular non-fusible disconnect switches. They make and break under all types of load conditions and provide safe isolation for any low voltage circuit, especially for machine control circuits.

General characteristics

- 2 stable positions (I, 0)
- Double break per phase
- Positive contact indication
- Contact point technology
- Padlocking in 0 position
- IP20 devices and accessories

Advantages

Easy mounting

Three mounting possibilities are available for optimum integration and time saving:

- DIN rail or back plate mounting,
- Door mounting,
- "Quick Fix" mounting to save time when integrating in high quantities.

Compact

Thanks to its compact design panel space is greatly reduced.

Safety

- Direct access to connection terminals for adequate tightening
- Lockable rotary operating mechanism

The solution for

- > Industrial control systems



Strong points

- > Easy mounting
- > Compact
- > Safety

Conformity to standards

- > UL 60947-4-1⁽¹⁾



- > IEC 60947-3



(1) New UL standard replaces UL508

Local safety enclosures

- > The COMO is fitted within a polycarbonate enclosure and can be used, for example, for on load breaking of a motor (HP rated).

References

DIN rail/back plate mounting

Rating (A)	Type	Switch	4 th pole	External handle K1 type IP65 - 4/4X blue/black no defeater	External handle K1 type IP65 - 4/4X red/yellow no defeater	Extension shaft	Aux contact NO+NC	Neutral pole	Earth pole	Terminal shrouds
30 A	for direct operation	2111 3003	2111 1003	-	-	-	2113 4000	2111 1056	2111 1076	1 P (top and bottom) 2113 5001 3 P (top and bottom) 2113 5003
	for external operation	2111 3103		with guide shaft 2113 1112 with cross coupling 2113 1212	with guide shaft 2113 1113 with cross coupling 2113 1213	200 mm 2113 2200 320 mm 2113 2320				
50 A	for direct operation	2111 3005	2111 1005	-	-	-				
	for external operation	2111 3105		with guide shaft 2113 1112 with cross coupling 2113 1212	with guide shaft 2113 1113 with cross coupling 2113 1213	200 mm 2113 2200 320 mm 2113 2320				

Door mounting

Rating (A)	Type	Switch	4 th pole	External handle K1 type IP65 - 4/4X blue/black no defeater	External handle K1 type IP65 red/yellow no defeater	Aux contact NO+NC	Neutral pole	Earth pole	Terminal shrouds
30 A	with screws	2111 3203	2111 1203	2113 1322	2113 1323	2113 4200	2111 1256	2111 1276	1 P (top and bottom) 2113 5001 3 P (top and bottom) 2113 5003
	quick fix	2111 3303		2113 1332	2113 1333				
50 A	with screws	2111 3205	2111 1205	2113 1322	2113 1323				
	quick fix	2111 3305		2113 1332	2113 1333				

Accessories

External operation handle

DIN-rail or back plate mounting

Rating (A)	Handle type	With guide shaft or cross coupling	Handle colour	Nema degree of protection	Reference
30 ... 50	K1	guide shaft	black/blue	4, 4X	2113 1112
			red/yellow		2113 1113
		compensation	black/blue		2113 1212
			red/yellow		2113 1213



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Door mounting

Rating (A)	Handle type	Door mounting type	Handle colour	Nema degree of protection	Reference
30 ... 50	K1	4 screws	black/blue	4, 4X	2113 1322
			red/yellow		2113 1323
		quick fix	black/blue		2113 1332
			red/yellow		2113 1333



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Shaft for external handle

Use

Shaft extensions are for external front operation. The shaft is clipped directly into the COMO without using a screw.

Shafts

7.9 in (200 mm), 12.6 in (320 mm),
(custom length, for high qty).

Rating (A)	Handle type	Length		Reference
		(in)	(mm)	
30 ... 50	K1	7.9	200	2113 2200
		12.6	320	2113 2320



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Additional pole

Use

Installation of this switched pole converts a 3 pole COMO into a 4 pole non-fusible switches, 3 pole + neutral or 3 pole + earth.

The 4th pole can be mounted without tools on the right or left side of the device.

Max 2 additionnal modules, 1 switching module and 1 unswitched module.

Switched fourth pole module

Rating (A)	Type of mounting	Type	Reference
30	back mounting	switched	2111 1003
	door mounting		2111 1203
50	back mounting		2111 1005
	door mounting		2111 1205



Solid neutral pole

Rating (A)	Type of mounting	Type	Reference
30...50	back mounting	unswitched	2111 1056
	door mounting		2111 1256



Ground module

Rating (A)	Type of mounting	Type	Reference
30...50	back mounting	unswitched	2111 1076
	door mounting		2111 1276



Auxiliary contacts

Use

There are two types of auxiliary contact, one for back plate mounting and one for door mounting. NO+NC auxiliary contacts per device (1 on each side of the device).

Rating (A)	Type of mounting	Contact(s)	Contact type	Reference
30...50	back mounting	1 contact	NO+NC	2113 4000
	door mounting			2113 4200



Terminal shrouds

Use

Top and bottom protection against direct contact with terminal or connection parts.

Available in 1 or 3 pole version. Top and bottom pair.

Rating (A)	Type of mounting	No. of poles	Position	Pack (unit)	Reference
30...50	back/door mounting	1 P	top and bottom	2	2113 5001
		3 P		2	2113 5003



Characteristics

Characteristics according to UL 60947-4-1 (replaces UL508)

30 to 50 A		
General use rating (A)	30 A	50 A
Short circuit rating at 600 VAC (kA)	5	
Branch circuit fuse type	RK5	
Max fuse rating (A)	50 A	
Max horsepower rating / Max motor FLA current		
120 VAC / 1 phase	2 / 24	3 / 34
120 VAC / 3 phase	3 / 19.2	5 / 30.4
240 VAC / 1 phase	3 / 17	10 / 50
240 VAC / 3 phase	10 / 28	10 / 28
480 VAC / 3 phase	20 / 27	25 / 34
600 VAC / 3 phase	22 / 27	30 / 32
Connection terminals		
Solid - 1 wire (AWG)	#14 - #6	
Solid - 2 wires (AWG)	2 x (#14 - #6)	
Auxiliary contacts		
Electrical characteristics	A300	
Mechanical characteristics		
Durability (number of operating cycles)	100 000	
Operating torque (lbs in / Nm)	11.24 / 1.27	

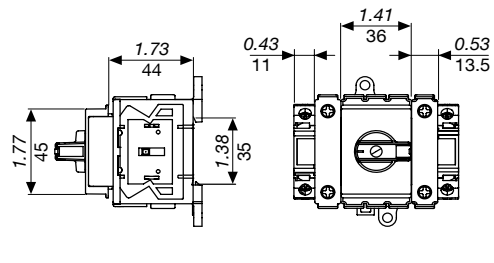
Characteristics according to IEC 60947-3

32 to 63 A			
Thermal current I_{th} (40°C)		32 A	63 A
Rated insulation voltage U_i (V)		690	690
Rated operational currents I_e (A)			
Rated voltage	Utilisation category	A	A
415 VAC	AC-21A	32	63
Operational power in AC-23A (kW)			
400 VAC without pre-break AC		11.5	22
Operational power in AC-3 (kW)			
400 VAC without pre-break AC		9.5	18.5

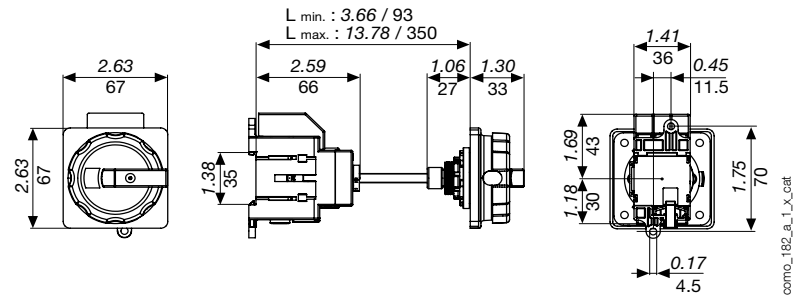
Dimensions (in/mm)

Back mounting

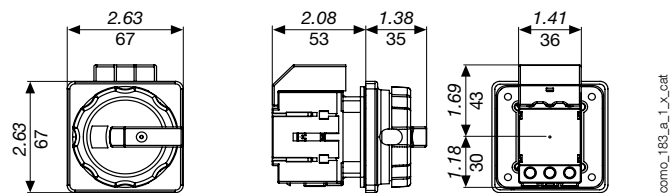
Direct operation



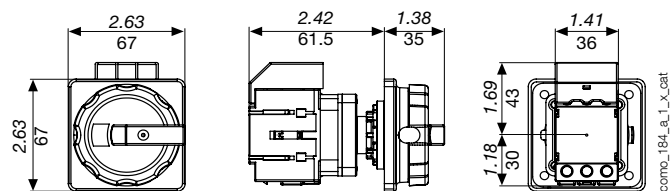
External operation



Door mounting



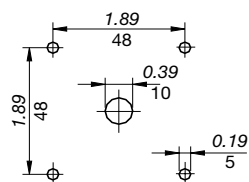
Door mounting quick fix



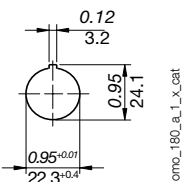
External handles dimensions (in/mm)

K1 type

Standard handle



Quick fix handle



Socomec worldwide

NORTH AMERICA

USA, CANADA & MEXICO

Critical Power / Power Control & Safety /
Energy Efficiency
222 Third Street - Suite 1221
Cambridge, MA 02142 USA
Tel. 617 245 0447
Fax 617 245 0437
info.us@socomec.com

Critical Power / Power Control & Safety /
Energy Efficiency
365 North Canyons Parkway - Suite 219
Livermore, CA 94551 USA
Tel. 925 294 0440
Fax 925 273 9432
info.us@socomec.com

IN EUROPE

BELGIUM

Critical Power / Power Control & Safety /
Energy Efficiency
info.be@socomec.com

FRANCE

Critical Power / Power Control & Safety /
Energy Efficiency
dcm.ups.fr@socomec.com

GERMANY

Critical Power
info.ups.de@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.de@socomec.com

ITALY

Critical Power
info.ups.it@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.it@socomec.com

NETHERLANDS

Critical Power / Power Control & Safety /
Energy Efficiency
info.nl@socomec.com

POLAND

Critical Power
info.ups.pl@socomec.com
Power Control & Safety / Energy Efficiency
info.scp.pl@socomec.com

PORTUGAL

Critical Power / Power Control & Safety /
Energy Efficiency
info.ups.pt@socomec.com

ROMANIA

Critical Power / Power Control & Safety /
Energy Efficiency
info.ro@socomec.com

SERBIA

Critical Power / Power Control & Safety /
Energy Efficiency
info.rs@socomec.com

SLOVENIA

Critical Power / Power Control & Safety /
Energy Efficiency
info.si@socomec.com

SPAIN

Critical Power / Power Control & Safety /
Energy Efficiency
info.es@socomec.com

SWITZERLAND

Critical Power
info@socomec.ch

TURKEY

Critical Power / Power Control & Safety /
Energy Efficiency
info.tr@socomec.com

UNITED KINGDOM

Critical Power / Power Control & Safety /
Energy Efficiency
info.uk@socomec.com

IN ASIA PACIFIC

AUSTRALIA

Critical Power / Power Control & Safety
info.ups.au@socomec.com

CHINA

Critical Power / Power Control & Safety /
Energy Efficiency
info.cn@socomec.com

INDIA

Critical Power / Power Control & Safety /
Energy Efficiency
info.in@socomec.com

SINGAPORE

Critical Power / Power Control & Safety /
Energy Efficiency
info.sg@socomec.com

THAILAND

Critical Power
info.ups.th@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES

Critical Power / Power Control & Safety /
Energy Efficiency
info.ae@socomec.com

OTHER COUNTRIES

NORTH AFRICA

Algeria / Morocco / Tunisia
info.naf@socomec.com

AFRICA

Other countries
info.africa@socomec.com

SOUTH EUROPE

Cyprus / Greece / Israel / Malta
info.se@socomec.com

SOUTH AMERICA

info.es@socomec.com

MORE DETAILS

www.socomec.us/worldwide

HEADQUARTERS

SOCOMECS GROUP

SAS SOCOMECS capital 10 686 000 €
R.C.S. Strasbourg B 548 500 149
B.P. 60010 - 1, rue de Westhouse
F-67235 Benfeld Cedex - FRANCE
Tel. +33 3 88 57 41 41
Fax +33 3 88 74 08 00
info.scp.isd@socomec.com

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WWW.SOCOMECS.US

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