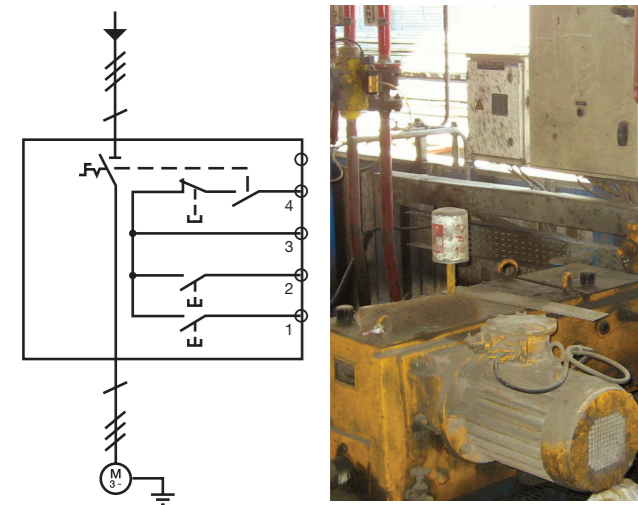
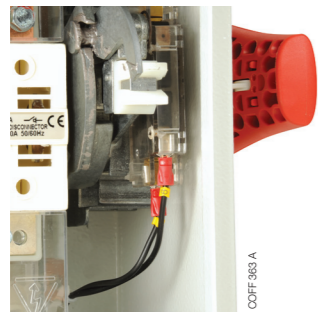


EASY TO CUSTOMIZE



> **Factory mounted & wired auxiliary contacts**
Preliminary cut-out and signalling of positions 0 and 1.



> **Control auxiliaries factory fitted on request**

- "On" or "Off" push button,
- Emergency stop,
- Position selectors,
- Indicator lights.



> **Specific configurations**

Your SOCOMEC sales engineer is at your disposal to bring you our expertise and know-how.
Ex: Others ratings, measurement devices, different enclosure colors, IP65, push buttons arrangements...

Socomec worldwide

IN EUROPE

BELGIUM
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +32 2 340 02 30
Fax +32 2 346 28 99
info.be@socomec.com

FRANCE
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +33 1 45 14 63 00
Fax +33 1 48 67 31 12
dom.ups.fr@socomec.com

GERMANY
Critical Power
Tel. +49 621 71 68 40
Fax +49 621 71 68 444
info.ups.de@socomec.com

Power Control & Safety / Energy Efficiency
Tel. +49 7243 65292 0
Fax +49 7243 65292 13
info.scp.de@socomec.com

ITALY
Critical Power
Tel. +39 02 98 242 942
Fax +39 02 98 240 723
info.ups.it@socomec.com

Power Control & Safety / Energy Efficiency
Tel. +39 02 98 49 821
Fax +39 02 98 24 33 10
info.scp.it@socomec.com

NETHERLANDS
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +31 30 760 0900
Fax +31 30 637 2166
info.nl@socomec.com

POLAND
Critical Power
Tel. +48 22 825 73 60
Fax. +48 22 825 73 70
info.ups.pl@socomec.com

Power Control & Safety / Energy Efficiency
Tel. +48 91 442 64 11
Fax +48 91 442 64 19
info.scp.pl@socomec.com

PORTUGAL
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +351 261 812 599
Fax +351 261 812 570
info.ups.pt@socomec.com

ROMANIA
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +40 21 319 36 88
Fax +40 21 319 36 89
info.ro@socomec.com

SLOVENIA
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +386 1 5807 860
Fax +386 1 561 11 73
info.si@socomec.com

SPAIN
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +34 93 540 75 75
Fax +34 93 540 75 76
info.es@socomec.com

SWITZERLAND
Critical Power
Tel. +41 44 745 40 80
Fax +41 44 745 40 85
info@socomec.ch

TURKEY
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +90 216 540 71 20-21-22
Fax +90 216 540 71 27
info.tr@socomec.com

UNITED KINGDOM
Critical Power
Tel. +44 1285 863 300
Fax +44 1285 862 304
info.uk@socomec.com

Power Control & Safety / Energy Efficiency
Tel. +44 1462 440 033
Fax +44 1462 431 143
info.uk@socomec.com

IN ASIA PACIFIC

AUSTRALIA
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +61 2 9325 3900
Fax +61 2 9888 9544
info.ups.au@socomec.com

CHINA
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +86 21 52 98 95 55
Fax +86 21 62 28 34 68
info.cn@socomec.com

INDIA
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +91 44 39215400
Fax +91 44 39215450 & 51
info.in@socomec.com

SINGAPORE
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +65 6506 7600
Fax +65 64 58 7377
info.sg@socomec.com

THAILAND
Critical Power
Tel. +66 2 941 1644 7
Fax +66 2 941 1650
info.ups.th@socomec.com

IN MIDDLE EAST

UNITED ARAB EMIRATES
Critical Power / Power Control & Safety / Energy Efficiency
Tel. +971 4 29 98 441
Fax +971 4 29 98 449
info.ae@socomec.com

IN AMERICA

USA, CANADA & MEXICO
Power Control & Safety / Energy Efficiency
Tel. +1 617 245 0447
Fax +1 617 245 0437
info.us@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
Tel. +34 93 540 75 75
info.es@socomec.com

MORE DETAILS
www.socomec.com/worldwide

HEAD OFFICE

SOCOMECC GROUP
SAS SOCOMEC 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

www.socomec.com

YOUR DISTRIBUTOR / PARTNER



SAFETY SWITCHES

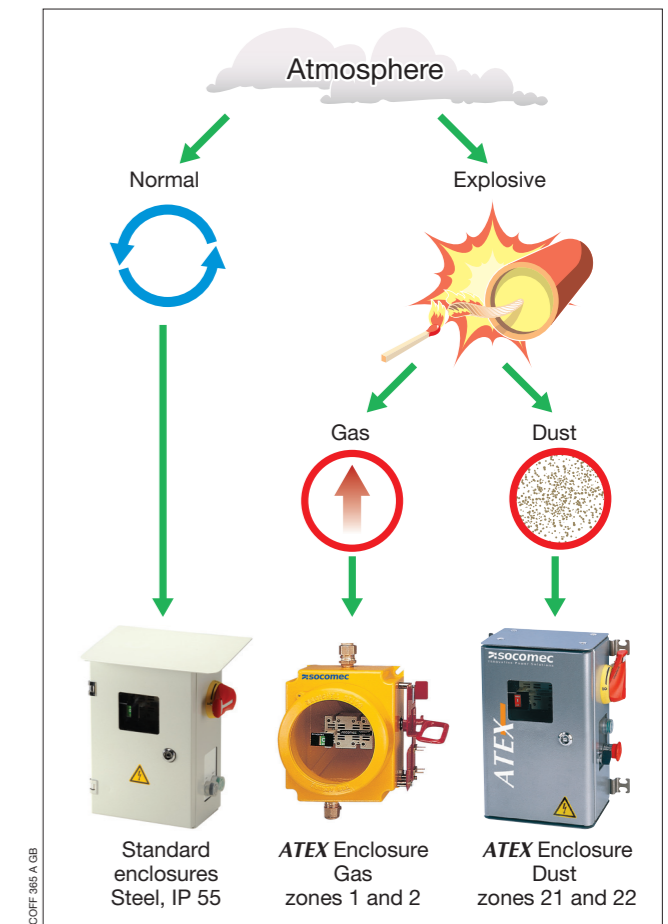
Local visible cut-off switches for the heavy industries

From 50 to 630A



SOCOMECC : THE SAFETY

Leader in the field of local safety breaking, SOCOMEC offers three ranges of equipped enclosures, able to cope with all the constraints of your site environments:



> **SOCOMECC safety enclosures consist of:**

- switching devices: visible load break switches,
- steel enclosures,
- mechanical safety device: double interlock SOCOMEC patent system,
- accessories and auxiliaries such as auxiliary contacts, pushbuttons.



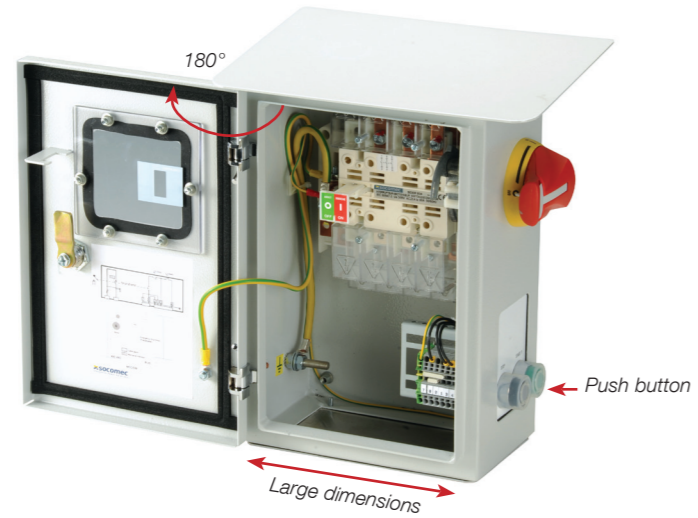
EASY AND FAST INSTALLATION

- The space available inside the enclosures and the door opening at 180° simplify connection operations.
- The large dimensions of the lower closing plate facilitates the fitting of cable glands.
- The connection of the earth cables is achieved by screwing them to an internal earth bar.

- Double earthing is provided to comply the requirement of two earthing points above 220 V.
- Bottom-Bottom configuration: connection through busbar/cables systems + protective shields.
- Factory fitted accessories (push buttons, emergency stop, cable glands) on demand.

RESISTANT

- The enclosures are of 2 mm thick galvanized steel, 3 mm for the welded roof (IK10).
- Anti-corrosion protection is ensured by an epoxy-polyester powder coat polymerised in an oven.
- The door is fitted with hidden metal hinges, making it impossible to be removed from the outside.
- The window made of polycarbonate allows the user to see the switching contacts while ensuring a high level of robustness. (IK 10)
- Number of locking systems (8 mm square key) according to the size of the enclosure.
- The door, window, bottom plate and side control module are sealed to IP 55 standards.



Safety switches

Local visible cut-off switches for the heavy industries from 50 to 630 A

A visible cut-off switch shall be installed on the power cable to each motor for:

- Locking out the motor for maintenance (safety isolation).
- Controlling the motor locally for maintenance purposes.
- Emergency stop and emergency shut-down (on load break).

SOCOMEK visible cut-off switch ensures a safe and fast maintenance as it prevents from entering the electrical substations to cut-off the power. In order to reduce the level of hazard during motor lock-out, the safety switch must be installed as closed as possible from the motor. **Locking out operation can be carried by a non-electrical person.**

EASY TO INSTALL

Secure connections and commissioning due to a well equipped enclosure.

BUILT FOR LASTING

Equipped with high standard material, SOCOMEC safety enclosure can resist in harsh environment

SAFETY DESIGNED

Thanks to the dedicated cut-off equipment, the user can operate the equipment quickly and safely.

The SOCOMEC enclosed switch is fabricated and type-tested according to the following standards:

- IEC 60364 (Low-voltage electrical installations),
- IEC 60204 (Safety of machinery).

The on-load switch is designed for a continuous service according to IEC 60947-3 (Low-voltage switchgear and controlgear).

Enclosure dimensions, mass and options										
	Thermal Rating	Dimension (mm)						Mass (Kg)	Options	
		L	W	H	C	B	Ab		Enclosure	Input Cable
SOSE enclosure with Copper output cables	50 A & 80 A	375	230	160	300	195	174	9	GI/SS	Al/Cu
	125 A	451	369	230	445	215	201	16		
	200 A	451	369	230	445	215	201	18		
	400 A	701	415	300	485	380	351	32,5		
	630 A	901	505	354	575	515,5	482,5	53,5		
SOSE enclosure with Aluminium output cables	50 A & 80 A	498	310	160	380	269	248,5	13	GI	Al
	125 A	552	375	230	445	312,5	286	21		
	200 A	552	375	230	445	312,5	286	22		
	400 A	878	465	300	535	484,5	438	44		
	630 A	901	505	354,5	575	392	371	57		

Electrical characteristics							
Thermal Current	SOSE - Cu & Al enclosure						
	50 A	80 A	125 A	200 A	400 A	630 A	
415 VAC 50/60 Hz	AC22 A	50 A	63 A	125 A	200 A	400 A	630 A
415 VAC 50/60 Hz	AC23 A	40 A	40 A	100 A	200 A	400 A	630 A
690 V 50/60 Hz	AC22 A	25 A	40 A	63 A	100 A	200 A	315 A
690 V 50/60 Hz	AC23 A	10 A	10 A	16 A	80 A	100 A	

Options	
Push Button	0 to 4
IP index	55, 65

To order: SOSE - XX - YYY A - N - IP ZZ - NN - IN Example: SOSE - Al - 125 A - 2 - IP65 - GI - Al

- Incoming cable: Al or Cu
- Enclosure: Galvanized Steel (GI) or Stainless Steel (SS)
- IP index: 55 / 65
- Number of Control Push Buttons: 0 to 4
- Rating
- Outgoing cable: Al or Cu

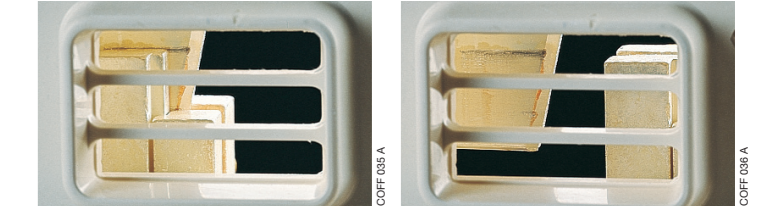
DETECTABLE CUT-OFF

The position of the handle clearly indicates the 'open' position of the switch contacts.



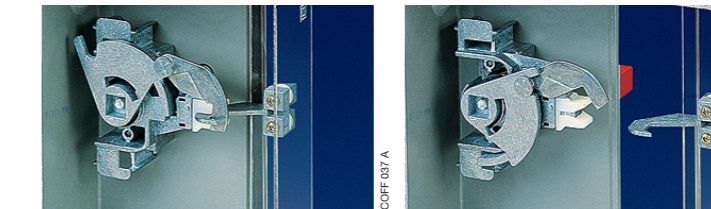
VISIBLE CUT-OFF

The technology of the contacts, positioned in parallel on a movable bar, makes it possible to check that the contacts are correctly separated.



DOUBLE LOCKING

This prevents the switch from being closed if the enclosure is open, but also prevents the enclosure from being opened if the switch is closed. This system is tamperproof. Only qualified personnel may unlock it with a special tool (CEI 61439-1).



TRIPLE SAFETY HANDLE

It allows the installation to be locked by 3 locks when the switch is in the closed position.



MECHANICAL FLAG INDICATOR

It is positioned on the end of the movable bar supporting the contacts. It indicates the real position of all the contacts, with no possibility of error.

