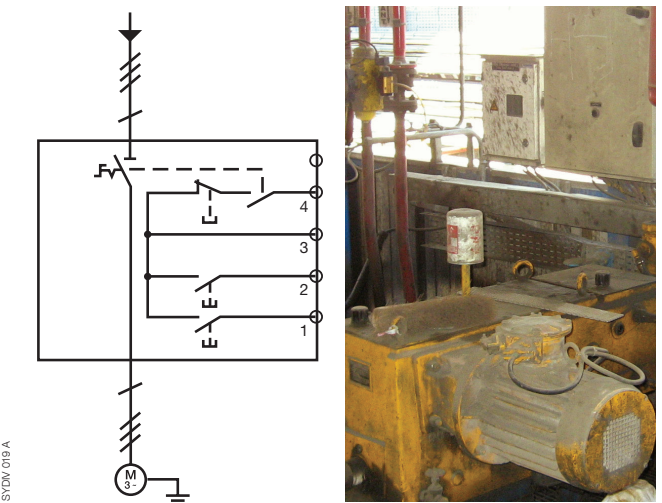
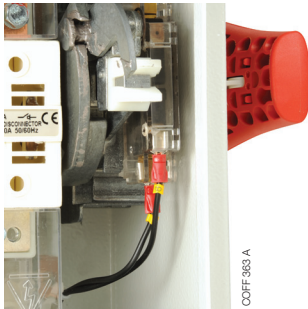


EASY TO CUSTOMIZE



> **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...

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SAFETY SWITCHES

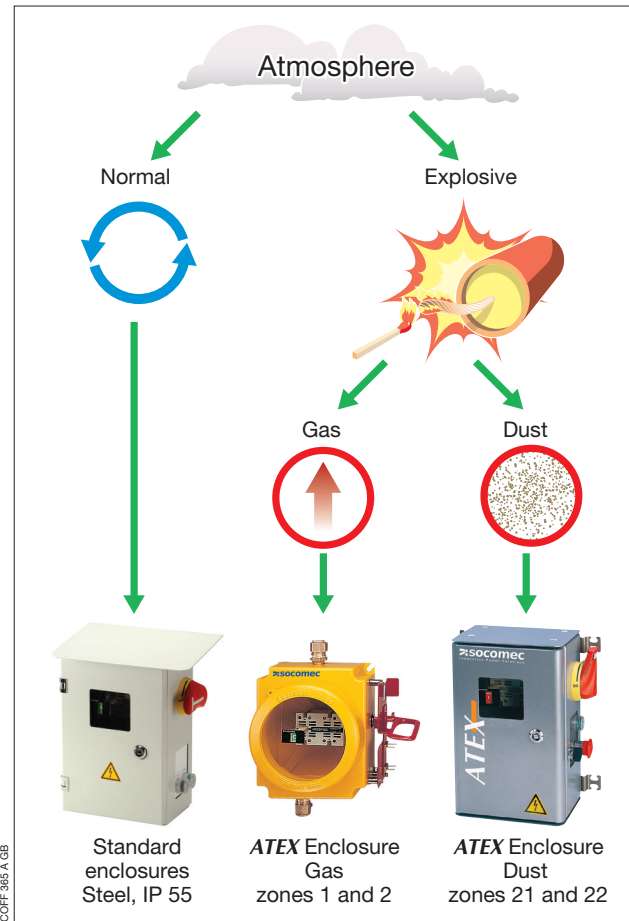
Local visible cut-off switches for the heavy industries

From 50 to 630A



SOCOMECS : 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:



> **SOCOMECS 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.



HEAD OFFICE

SOCOMECS GROUP

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Safety Switches
Safe and easy to use

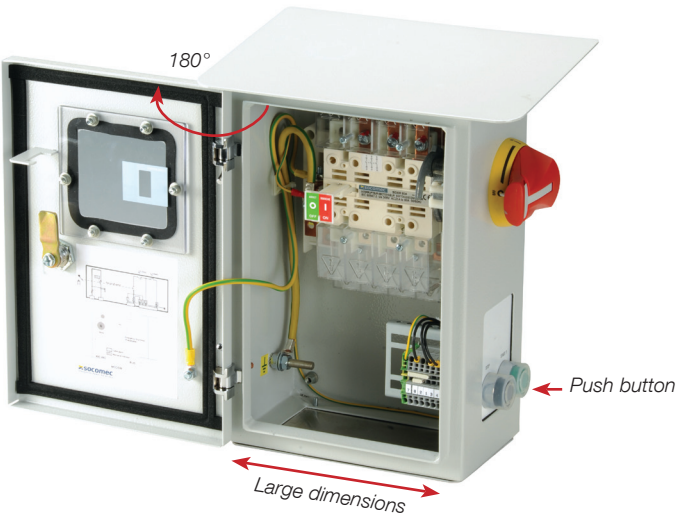
EASY AND FAST INSTALLATION

- 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, SOCOMEK 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 SOCOMEK 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).

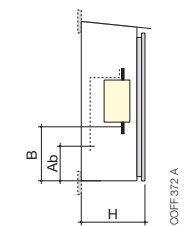
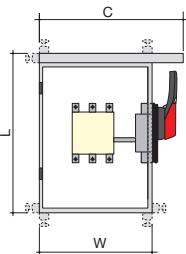
Enclosure dimensions, mass and options									
	Thermal Rating	Dimension (mm)						Mass (Kg)	Options
		L	W	H	C	B	Ab		Enclosure Input Cable
SOSE enclosure with Copper output cables	50 A & 80 A	375	230	160	300	195	174	9	GI/SS AI/Cu
	125 A	451	369	230	445	215	201	16	
	200 A	451	369	230	445	215	201	18	
	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 AI
	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		SOSE - Cu & Al enclosure					
Thermal Current		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 - AI - 125 A - 2 - IP65 - GI - AI

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



Safety Switches
Built for safety

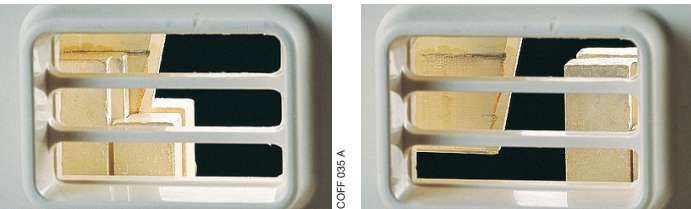
DETECTABLE CUT-OFF

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



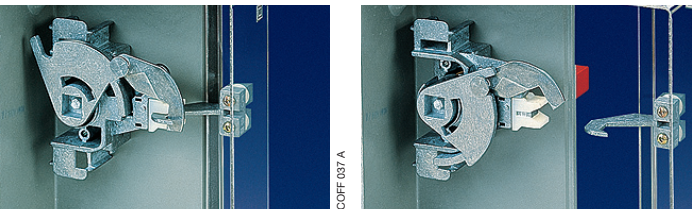
VISIBLE CUT-OFF

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



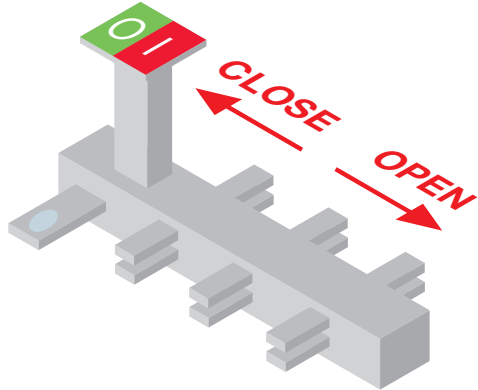
DOUBLE LOCKING

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).



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.



TRIPLE SAFETY HANDLE

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

