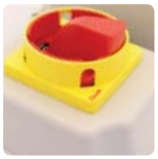
Enclosed switch disconnectors



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119 F-600 Rated switch disconnectors

Enclosed switch disconnectors

«A complete range of enclosed switch-disconnector solutions adapted to every particular application environment»

Electrical engineering design
Design of machines, production lines and ventilation systems are an essential part of industrial installations. Many accidents directly related to the use of machines can be avoided with adequate engineering, installation and maintenance procedures. European standard EN 60204 concerns machines electrical safety and harmonizes legislation across Europe. A good electrical design should ensure that is possible to operate the control system, perform switching manoeuvres and carry maintenance activities without endangering operator safety. Visibility and easy recognition of the safety elements is essential for this purpose. Industrial facilities must have devices to disconnect power supply and they must offer the ability to padlock the handle in the off position to avoid the risks associated with unforeseen energy restoration. This feature is particularly necessary when the operator intervention point is distant from the power disconnection point.

Product overview

IS Series

Standard range for industry Safety switch application.

16-63A
Plastic enclosure

100-250A
Sheet steel enclosure

Stainless-steel Series

Dedicated range for hygienic and highly corrosive environments.

16-125A
Stainless-steel enclosure

Aluminium Series

Heavy duty industrial and infrastructure environments.

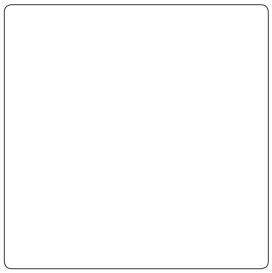
16-250A
Aluminium enclosure

F-Protec Series

Complete range of Fire rated switch disconnectors.

25-250A
F-300 and F-400
Aluminium enclosure

25-250A
F-600
Steel enclosure



Enduring safety

Switch-disconnectors in industrial installations must withstand loads with peak inrush currents during Start up operations. In the course of Stop operations on load breaking also entails a great dynamic effort on the switch contacts. Facing short circuit conditions does require high thermal resistance to guarantee that circuit isolation characteristics are safeguarded. Compliance with IEC 60947-3 standard means that switch-disconnectors can cope with the application demanding requirements as they have successfully passed the test sequence required by the standard.

IS Series
Enclosed safety switches

«Innovative design that guarantees safety on your industrial installations»

On-Off safety switches from the IS series are multipolar manually operated enclosed switches with padlockable handle. To ensure maximum safety on machinery equipment it is a good practice to install a command running standard start-stop operations detached from the safety switch-disconnector used during service and maintenance operations.

Disconnectors range covers from 12 up to 250A mounted in four different enclosure sizes.

According to standards

- IEC 60947-3
- EN 60529

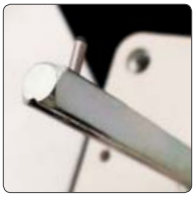
General characteristics

- IP65 protection
- Safety padlockable handle
- Interlock system prevents enclosure opening when the switch is not in "0" position.
- Earth terminal
- Switch easy base mounting system.
- Possibility to include up to 4 auxiliary contacts
- Gold plated auxiliary contacts for harsh environments upon request

General characteristics

Plastic enclosure

Switches up to 63A use plastic boxes that are lightweight and easy to install. They are suitable for indoor and outdoor use being appropriate for humid environments.



Interlock in position I

Lateral access to terminals

Earthing terminal

Padlockable handle

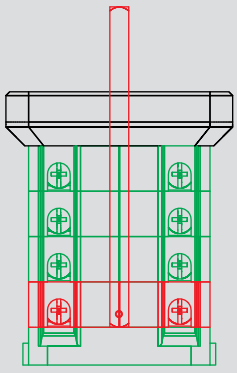
Large wiring space

Easy opening knockouts

Integrated joint

Modularity

We can increase number of contact blocks and auxiliaries by stacking them upwards in such a way that wiring space and terminal access is not compromised. No need to increase enclosure width on 6/8P switches.

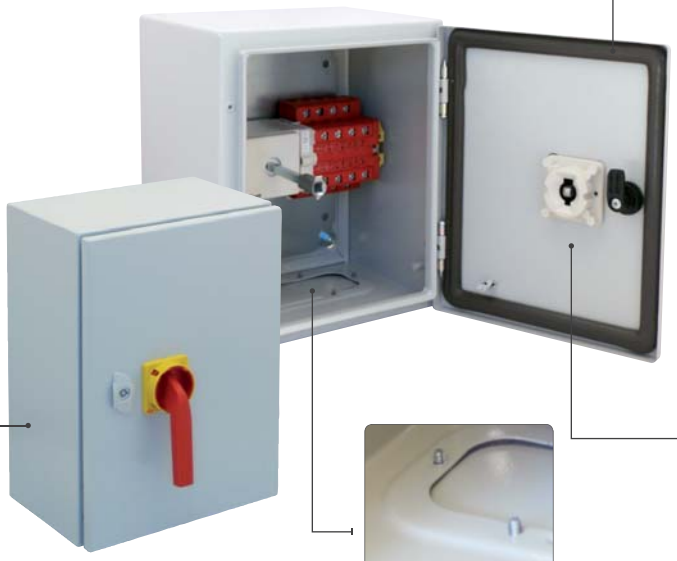


Reliability

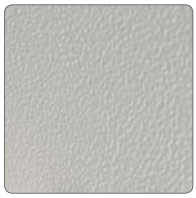
Auxiliary contacts are operated by the same shaft as power contacts, no risk of clipping flange breakups between auxiliaries and main contacts. Even in the case of contact welding, auxiliary contacts will always indicate according to power contacts.

Sheet steel enclosure

Switches from 100A up to 250A are mounted in steel sheet enclosures with a surface treatment that provides corrosion resistance. Fixing cut outs for quick and easy installation in any type facility.



Protection degree IP65

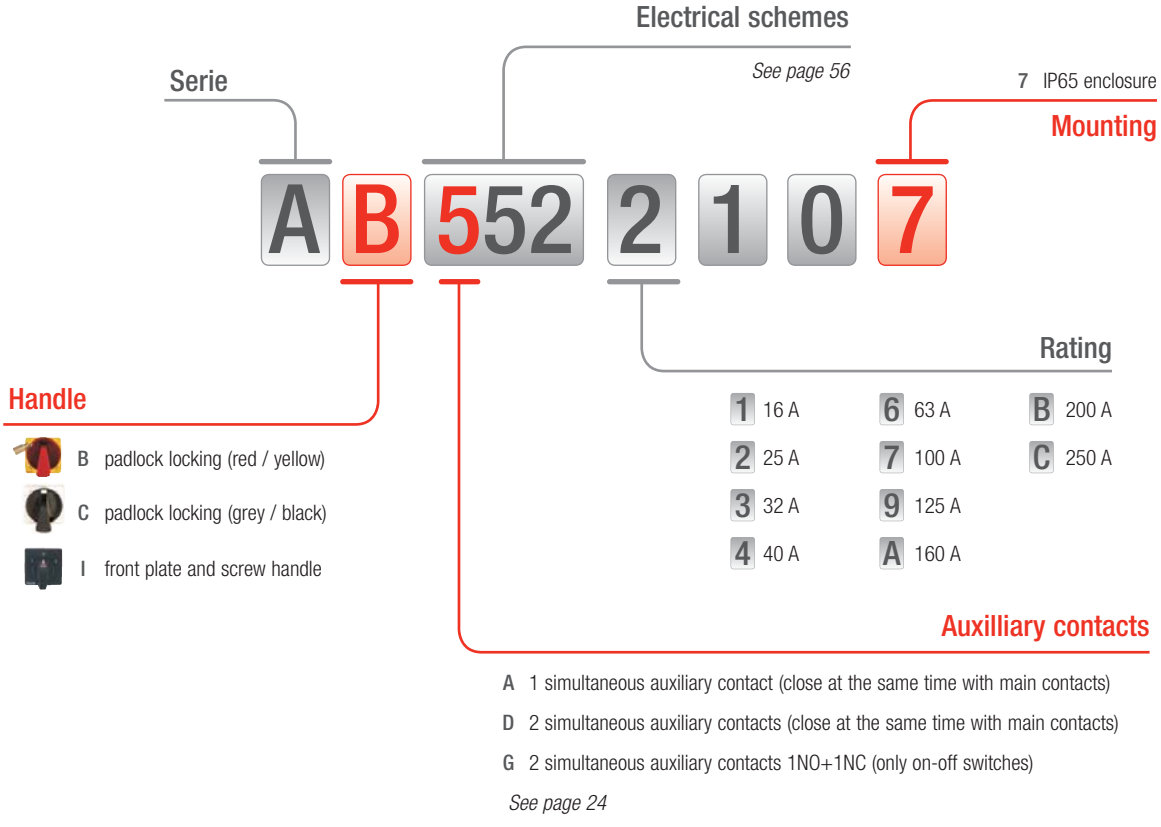


Texturised epoxy treatment

Cable gland plate

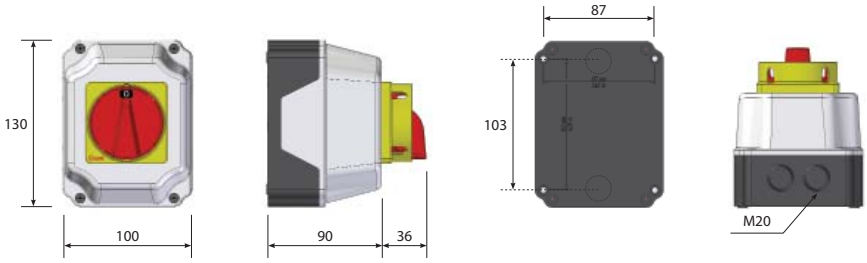
Door interlock

Reference system

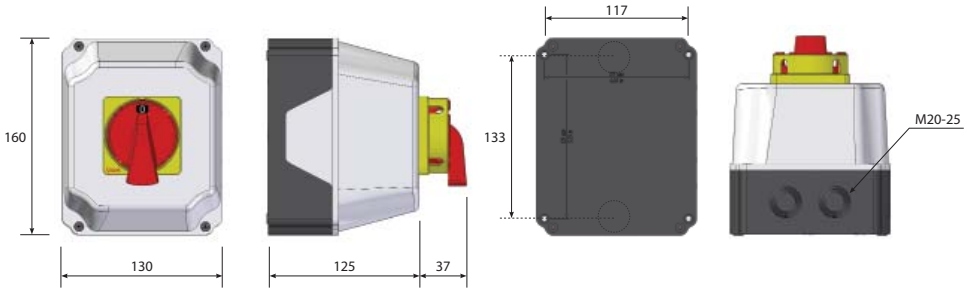


Dimensions

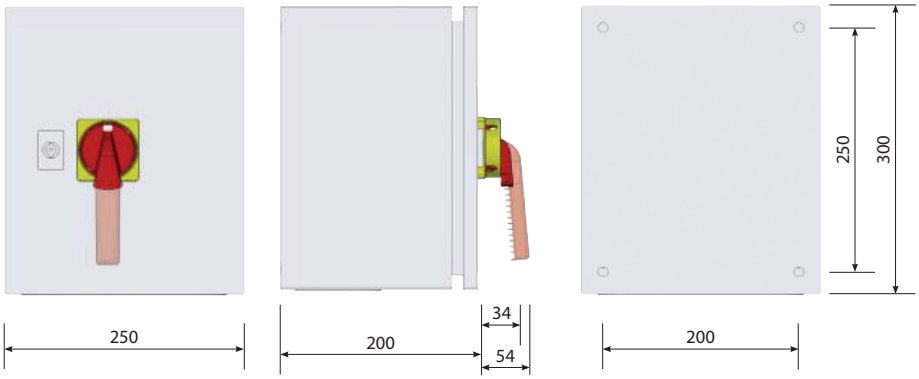
Enclosure size E0



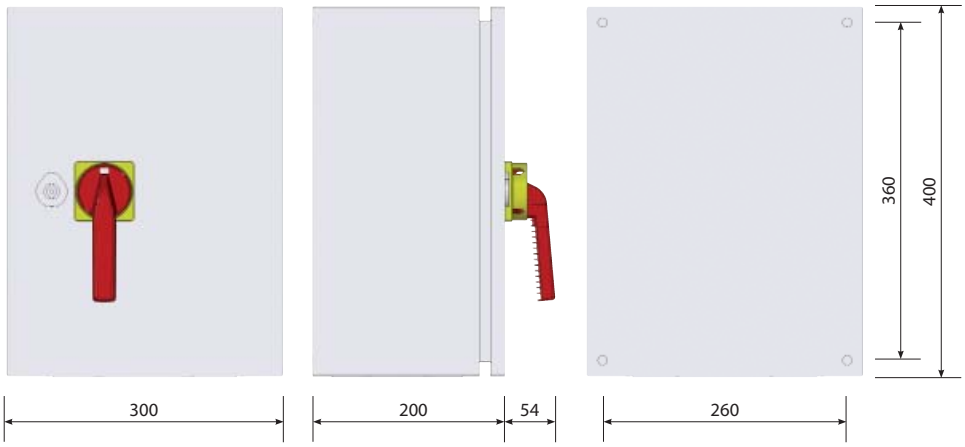
Enclosure size E1



Enclosure size E2



Enclosure size E3



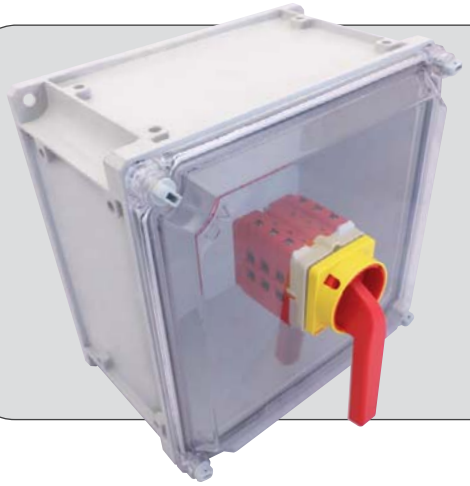
Technical data

Characteristic			16A	25A	32A	40A	63A	100A	125A	160A	200A	250A
Thermal rating		Ith A	20	30	40	50	70	100	125	160	200	250
Max. fuse protection (gG-aM)		In A	25	25	40	40	80	125	125	160	200	250
Operating voltage		Ue V~	690	690	690	690	690	690	690	690	690	690
Operational rating		Ie A	16	25	32	40	63	100	125	160	200	250
Wire section	Flexible	mm^2	2,5 - 6	2,5 - 6	10 - 16	10 - 16	16 - 50	16 - 50	16 - 50	70	95	120
		AWG	10	10	6	6	6 - 1	6 - 1	6 - 1	-	-	-
Torque		Nm	1,6	1,6	2	2	3,5	3,5	3,5	-	-	-
Connection screws			M4	M4	M5	M5	M8	M8	M8	M8	M8	M8
AC 22	kW	3 x 230V	4	7,5	7,5	11	22	30	30	37	45	55
	Mixed load kW	3 x 400V	7,5	11	15	22	30	45	55	75	90	110
	0,65 <cosØ <0,95 kW	3 x 500V	11	15	18,5	22	37	55	75	90	110	132
AC 23	kW	3 x 230V	3	4	5,5	7,5	15	18,5	18,5	30	38	-
	Motor load VA kW	3 x 400V	5,5	7,5	11	18,5	22	30	37	52	65	-
	0,45 <cosØ <0,65 kW	3 x 500V	7,5	11	15	22	30	37	45	65	80	-

Maximum cells number




	Switch size	Enclosure size	E0				E1				E2				E3			
		Aux. cont. Cells num.	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3
Switch cells	D0	12-16-25A	5	-	-	-	8	-	-	-	11	-	-	-	-	-	-	-
	D1	25A	4	2	1	1	7	5	4	3	9	7	6	5	-	-	-	-
		32A	4	2	1	1	7	5	4	3	9	7	6	5	-	-	-	-
		40A	2	2	1	1	7	5	4	3	9	7	6	5	-	-	-	-
	D2	63A	-	-	-	-	4	3	2	2	6	5	4	4	6	5	4	3
		100-125A	-	-	-	-	-	-	-	-	6	5	4	4	6	5	4	3
	D3	160-250A	-	-	-	-	-	-	-	-	2	2	2	1	3	3	3	2



GRP enclosed switches

Glass reinforced polyester enclosures are an adequate option on those installations where we need high resistance to corrosion and chemical attack but not compromising insulation and impact resistance. Transparent polycarbonate cover can also be used on applications that require regular visual inspection.

Standard references

3 Poles

Reference		Enclosure		Rating
Handle	Handle	Size	Material	
AB5521007	AC5521007	E0	Plastic	16A
AB5522107	AC5522107	E0	Plastic	25A
AB5523107	AC5523107	E0	Plastic	32A
AB5524107	AC5524107	E0	Plastic	40A
AB5526107	AC5526107	E1	Plastic	63A
AB5527107	AC5527107	E2	Metal	100A
AB5529107	AC5529107	E2	Metal	125A
AB552A107	AC552A107	E2	Metal	160A
AB552B107	AC552B107	E2	Metal	200A
AB552C107	AC552C107	E2	Metal	250A

4 Poles

Reference		Enclosure		Rating
Handle	Handle	Size	Material	
AB5531007	AC5531007	E0	Plastic	16A
AB5532107	AC5532107	E0	Plastic	25A
AB5533107	AC5533107	E0	Plastic	32A
AB5534107	AC5534107	E0	Plastic	40A
AB5536107	AC5536107	E1	Plastic	63A
AB5537107	AC5537107	E2	Metal	100A
AB5539107	AC5539107	E2	Metal	125A
AB553A107	AC553A107	E2	Metal	160A
AB553B107	AC553B107	E2	Metal	200A
AB553C107	AC553C107	E2	Metal	250A

6 Poles

Reference		Enclosure		Rating
Handle	Handle	Size	Material	
AB5561007	AC5561007	E0	Plastic	16A
AB5562107	AC5562107	E0	Plastic	25A
AB5563107	AC5563107	E0	Plastic	32A
AB5564107	AC5564107	E1	Plastic	40A
AB5566107	AC5566107	E1	Plastic	63A
AB5567107	AC5567107	E2	Metal	100A
AB5569107	AC5569107	E2	Metal	125A
AB556A107	AC556A107	E3	Metal	160A
AB556B107	AC556B107	E3	Metal	200A
AB556C107	AC556C107	E3	Metal	250A

Aluminium enclosed switches

«Your choice on heavy duty applications and severe environments»

Switch-disconnectors installed in industrial facilities are often exposed to environment pollution and accidental impacts. Aluminium enclosures are characterised by good resistance to chemicals including hydraulic oils, solvents and alcohols. Enclosure shock resistance is guaranteed by high aluminum strength.

General characteristics

- Aluminium AlSi 12
- Powder coating RAL7040
- High impact resistant IK09 (10 Joule)
- IP65 protection
- Threaded openings

According to standards

- IEC 60947-1/3
- EN 60529

Heavy duty up to 690VAC

An advantage of die cast aluminium enclosures is the extensive operating temperatures range specially when installed in areas with heat spots or risk of hot material splashing. Disconnect switches in aluminium enclosures are rated to work with 690V motors that we typically find in this type of installations.

Applications


Industrial pumps


Paper mills

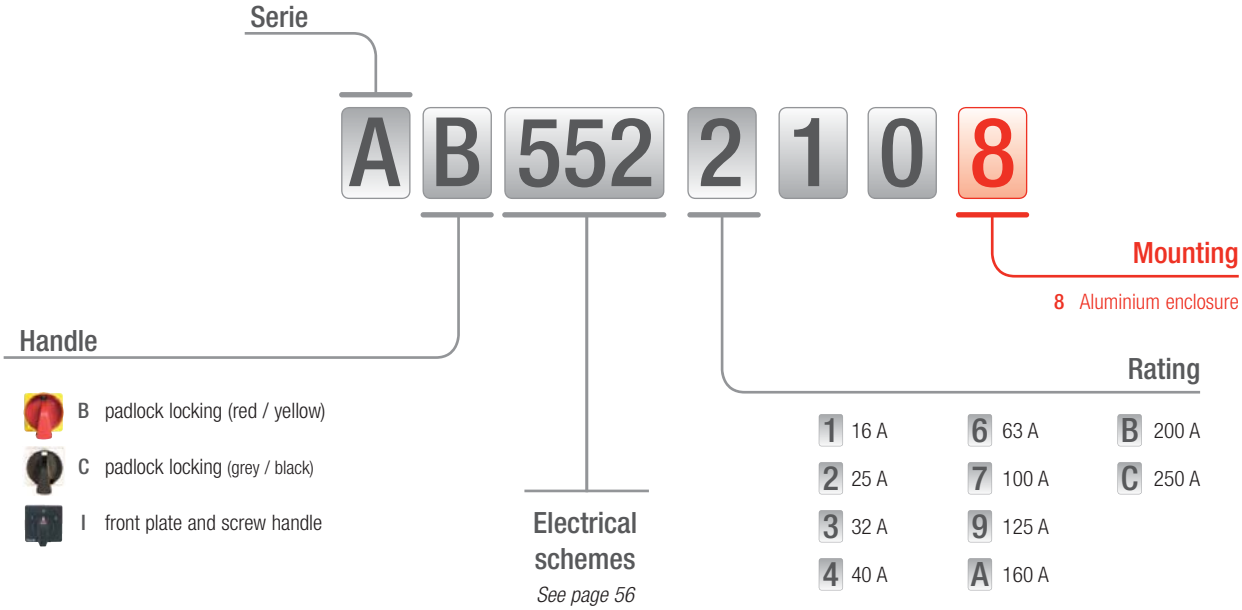

Quarries

EMC Protection

Disturbance protected switch disconnectors

Modern industrial facilities are distinguished by increasingly including electronic components and specially the widespread use of variable frequency motor drives. Aluminium enclosures offer inherent EMC characteristics making them an specially appropriate choice in installations where electronic components are present. Dedicated EMC solutions with specific screening systems can also be constructed upon demand.

Reference system

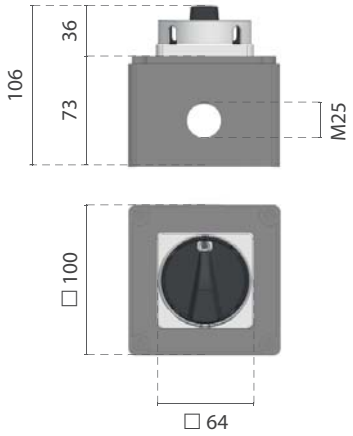


Technical data

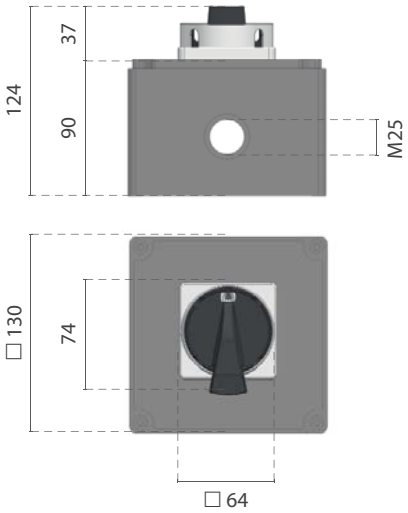
Characteristic			16A	25A	32A	40A	63A	100A	125A	160A	200A	250A
Thermal rating		Ith A	20	30	40	50	70	100	125	160	200	250
Max. fuse protection (gG-aM)		In A	25	25	40	40	80	125	125	200	230	250
Operating voltage		Ue V~	690	690	690	690	690	690	690	690	690	690
Operational rating		Ie A	16	25	32	40	63	100	125	160	200	250
Wire section	Stranded	mm²	2,5 - 6	2,5 - 6	10 - 25	10 - 25	16 - 50	16 - 50	16 - 50	70	95	120
	Flexible	mm²	2,5 - 6	2,5 - 6	10 - 16	10 - 16	16 - 50	16 - 50	16 - 50	70	95	120
		AWG	10	10	6	6	6 - 1	6 - 1	6 - 1	-	-	-
Torque		Nm	1,6	1,6	2	2	3,5	3,5	3,5	-	-	-
Connection screws			M4	M4	M5	M5	M8	M8	M8	M8	M8	M8
AC 23	kW	3 x 230V	3	4	5,5	7,5	15	18,5	18,5	30	38	-
	Motor load VA kW	3 x 400V	5,5	7,5	11	18,5	22	30	37	52	65	-
	0,45 <cosØ <0,65 kW	3 x 500V	7,5	11	15	22	30	37	45	65	80	-
		3 x 690V	-	7,5	-	22	-	30	-	-	-	-

Dimensions

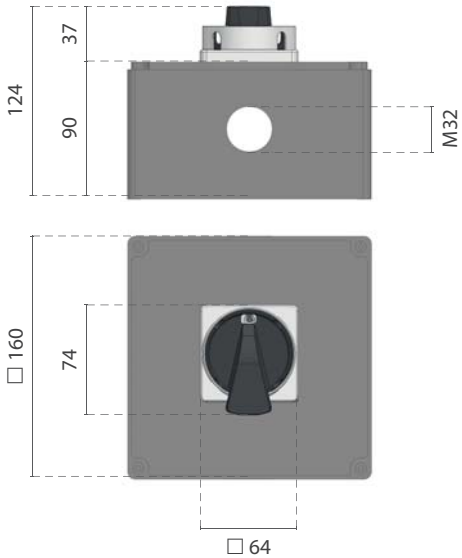
Size 1AL



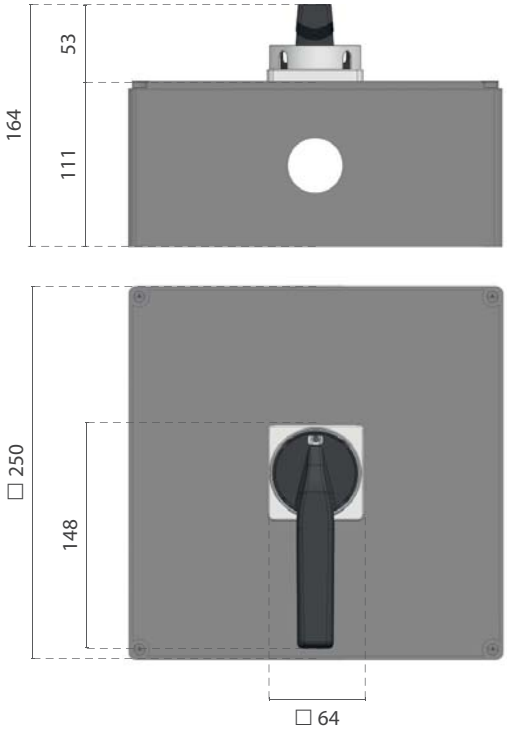
Size 2AL



Size 3AL



Size 4AL



Standard references

3 Poles

Reference			Enclosure size	Rating
Handle	Handle	Screw handle		
AB5521008	AC5521008	AI5521008	1AL	16A
AB5522108	AC5522108	AI5522108	1AL	25A
AB5523108	AC5523108	AI5523108	1AL	32A
AB5524108	AC5524108	AI5524108	1AL	40A
AB5526108	AC5526108	AI5526108	2AL	63A
AB5527108	AC5527108	AI5527108	3AL	100A
AB5529108	AC5529108	AI5529108	3AL	125A
AB552A108	AC552A108	AI552A108	3AL	160A
AB552B108	AC552B108	AI552B108	4AL	200A
AB552C108	AC552C108	AI552C108	4AL	250A

4 Poles

Reference			Enclosure size	Rating
Handle	Handle	Screw handle		
AB5531008	AC5531008	AI5531008	1AL	16A
AB5532108	AC5532108	AI5532108	1AL	25A
AB5533108	AC5533108	AI5533108	1AL	32A
AB5534108	AC5534108	AI5534108	1AL	40A
AB5536108	AC5536108	AI5536108	2AL	63A
AB5537108	AC5537108	AI5537108	3AL	100A
AB5539108	AC5539108	AI5539108	3AL	125A
AB553A108	AC553A108	AI553A108	4AL	160A
AB553B108	AC553B108	AI553B108	4AL	200A
AB553C108	AC553C108	AI553C108	4AL	250A

6 Poles

Reference			Enclosure size	Rating
Handle	Handle	Screw handle		
AB5561008	AC5561008	AI5561008	1AL	16A
AB5562108	AC5562108	AI5562108	1AL	25A
AB5563108	AC5563108	AI5563108	1AL	32A
AB5564108	AC5564108	AI5564108	2AL	40A
AB5566108	AC5566108	AI5566108	2AL	63A
AB5567108	AC5567108	AI5567108	3AL	100A
AB5569108	AC5569108	AI5569108	3AL	125A

Stainless steel enclosed switches

«The answer to your hygiene and safety needs in exposed environments»

Environments where food and beverage are processed are characterised by high level of hygienic demands in order to ensure health safety on processed products.

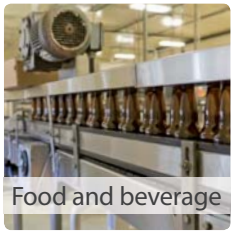
These environments are characterised by the presence of acid corrosive elements in the air and solvents during cleaning operations. It also must be considered the hazard of accidental shocks that risk producing bites on the enclosure surface.

According to standards

- IEC 60947-1/3
- EN 60529
- EN 62208

Applications


Catering

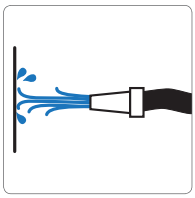

Food and beverage


Pharmaceutical

Highlights

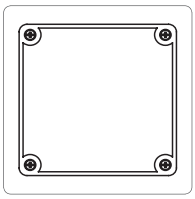
Protection IP65

Cleaning processes in food environments involve the projection of pressurized water on the surface. IP65 degree of protection involves a test with water projection at very high pressure (6.3mm nozzle - 12.5L / min).



Stainless steel 316L

The steel grade 316L (EN 14404) stands out for its high resistance to corrosion including saline and acid environments.
Special surface treatment with electropolishing minimises surface roughness and prevents bacteria incrusting.

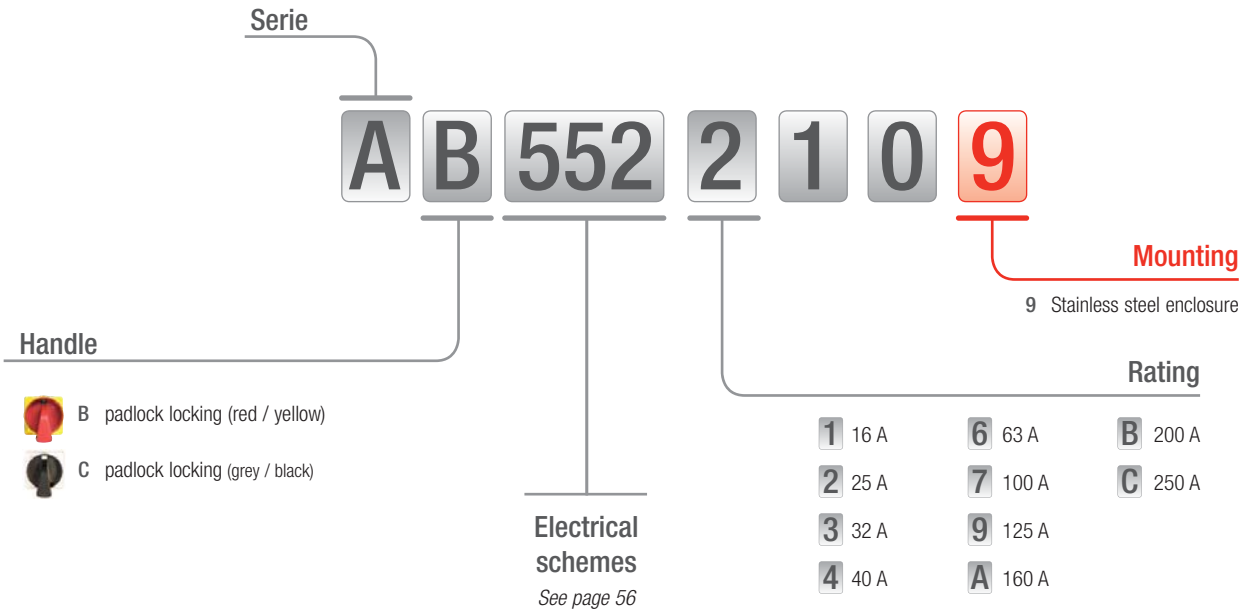


Special requests

An extensive range of customised solutions adapted specific application requirements are available, these options include:

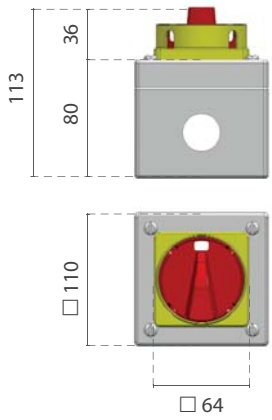
- Machined lid and / or enclosure.
- Fixing elements.
- Painting and marking finishings.
- EMC Protection joints.

Reference system

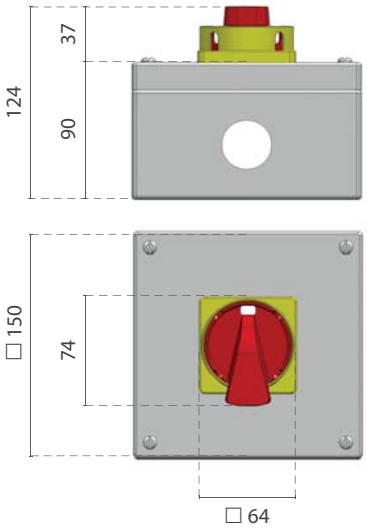


Dimensions

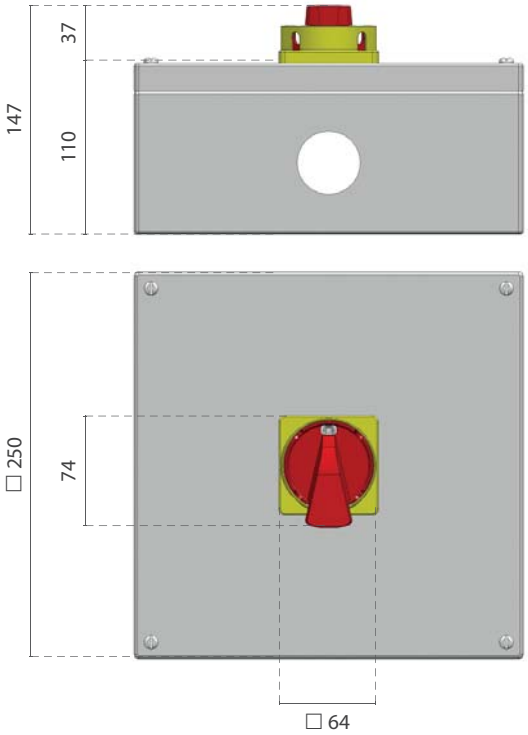
Size 1IN



Size 2IN



Size 3IN



Technical data

Characteristic			16A	25A	32A	40A	63A	100A	125A	160A	200A	250A
Thermal rating		Ith A	20	30	40	50	70	100	125	160	200	250
Max. fuse protection (gG-aM)		In A	25	25	40	40	80	125	125	200	230	250
Operating voltage		Ue V~	690	690	690	690	690	690	690	690	690	690
Operational rating		Ie A	16	25	32	40	63	100	125	160	200	250
Wire section	Flexible	mm^2	2,5 - 6	2,5 - 6	10 - 16	10 - 16	16 - 50	16 - 50	16 - 50	70	95	120
		AWG	10	10	6	6	6 - 1	6 - 1	6 - 1	-	-	-
Torque		Nm	1,6	1,6	2	2	3,5	3,5	3,5	-	-	-
Connection screws			M4	M4	M5	M5	M8	M8	M8	M8	M8	M8
AC 22	kW	3 x 230V	4	7,5	7,5	11	22	30	30	37	45	55
	Mixed load kW	3 x 400V	7,5	11	15	22	30	45	55	75	90	110
	0,65 <cosØ <0,95 kW	3 x 500V	11	15	18,5	22	37	55	75	90	110	132
AC 23	kW	3 x 230V	3	4	5,5	7,5	15	18,5	18,5	30	38	-
	Motor load VA kW	3 x 400V	5,5	7,5	11	18,5	22	30	37	52	65	-
	0,45 <cosØ <0,65 kW	3 x 500V	7,5	11	15	22	30	37	45	65	80	-

Standard references

2 Poles

Reference		Enclosure size	Rating
Handle	Handle		
AB5511009	AC5511009	1IN	16A
AB5512009	AC5512009	1IN	25A

3 Poles

Reference		Enclosure size	Rating
Handle	Handle		
AB5521009	AC5521009	1IN	16A
AB5522009	AC5522009	1IN	25A
AB5523109	AC5523109	2IN	32A
AB5524109	AC5524109	2IN	40A
AB5526109	AC5526109	3IN	63A
AB5527109	AC5527109	3IN	100A
AB5529109	AC5529109	3IN	125A

6 Poles

Reference		Enclosure size	Rating
Handle	Handle		
AB5561009	AC5561009	1IN	16A
AB5562009	AC5562009	1IN	25A
AB5563109	AC5563109	2IN	32A
AB5564109	AC5564109	2IN	40A
AB5566109	AC5566109	3IN	63A
AB5567109	AC5567109	3IN	100A
AB5569109	AC5569109	3IN	125A

Accessories

Reference	Characteristics	IP Grade	Hole size	
			M25	M32
M25INOX	Cable gland Inox	IP66	●	
M32INOX	Cable gland Inox	IP66		●
T25INOX	Sealing plug Inox	IP66	●	
T32INOX	Sealing plug Inox	IP66		●

Fire rated switch disconnectors

Ventilation and smoke extraction systems aim to help safe working conditions on building evacuation and fire rescue operations, diminishing roof temperatures and delaying lateral fire expansion in order to permit an effective fight against fire expansion.

Standard **EN- 12101-3:2015** applies to **Smoke and heat control systems** detailing on part 3 specifications for powered smoke and heat exhaust fans. In order to guarantee installation safety under emergency conditions all ventilation system components must comply with this standard requirements, carrying test sequences according to details specified on the standard.

Gave engineering team has developed a product for these stringent conditions and passed laboratory testing during a 200min. period. These tests endorse product qualifying under class **F300, F400** and **F600** according to Table 8 on standard EN 12101-3:2015.

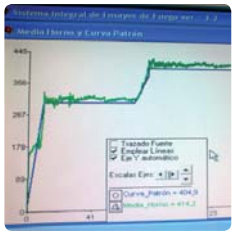
Applications

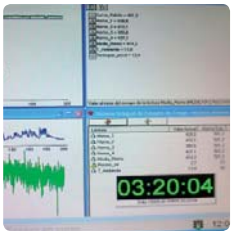
- Car Parks and tunnels
- Warehouse and industries
- Workshops, industrial and public buildings

Design and innovation

A rapidly changing environment with increasing **standard requirements** on design and installation characteristics, motivates a technical team used to work on product **solutions**.
The employment of innovative engineering techniques, use of **advanced engineering** tools, and operation with the latest manufacturing process, guarantee an excellent final outcome.

Tests





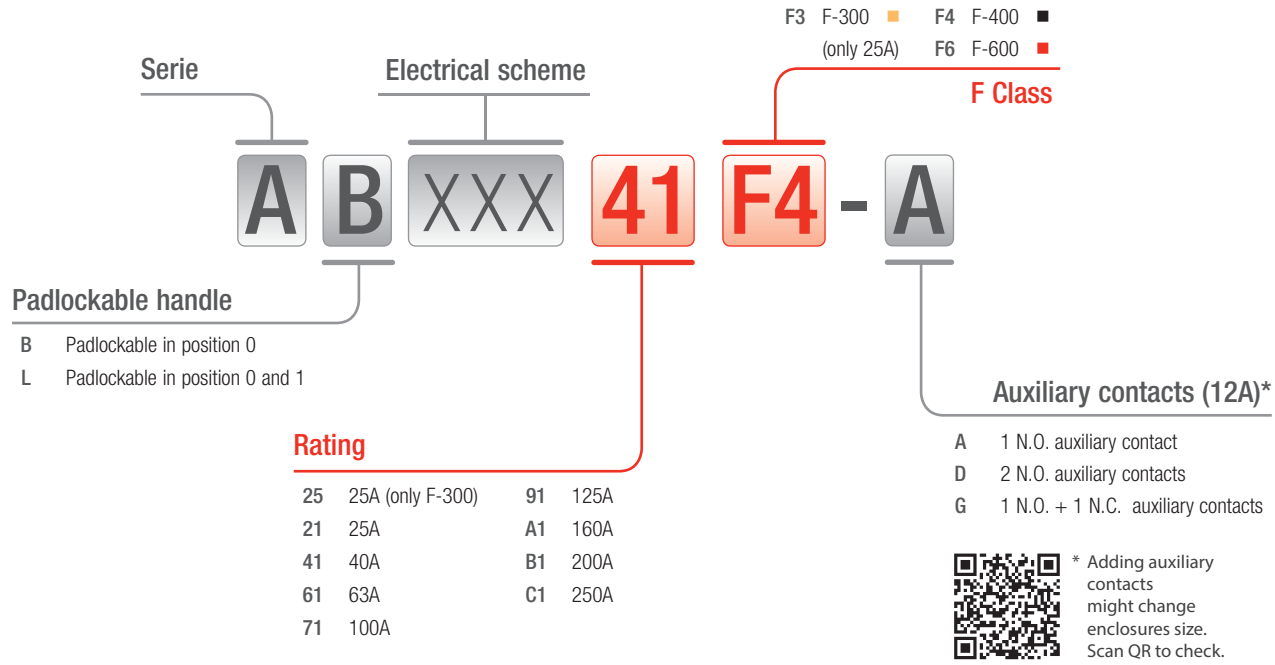
The development of products rated to provide fire resistance in order to guarantee electrical functional integrity under extreme circumstances, does require the employment of **specialist laboratories** capable to reproduce, on a controlled manner, similar conditions to those that take place when a fire occurs.

The recognized* AFITI laboratory has facilities that allow constant pressure and temperature monitoring on the testing area thus ensuring that the **temperature curve** is replicated as established by the standard.

**ENAC Spanish recognized part of ILAC Cooperation Scheme*

Certification

Reference system



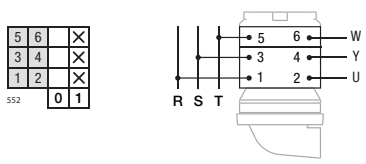
Temperature classification

Switch disconnectors testing must be conducted according to procedures established in standard EN 12101-3:2015 annex C. Fire rating categories are based on temperature and minimum time resistance according to EN 13501-4.

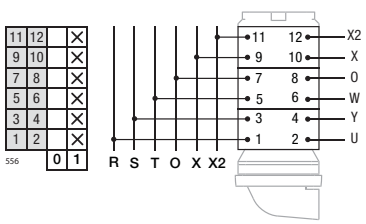
	Temperature (ºC)	Minimun functioning period (minutes)
■ F300	300	60
■ F400	400	120
■ F600	600	60

Electrical schemes

552 Switch 3P

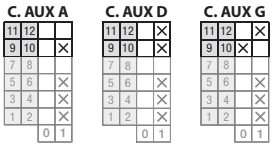


556 Switch 6P



Auxiliary contacts

Auxiliary contacts are 25A Size 1.
Auxiliary contacts identification number change based on the number of switch cells.



Technical characteristics

		25A (F3)	25A (F4)	40A	63A	100A	125A	160A	200A	250A
Thermal rating	Ith A	25	32	40	70	100	125	160	200	250
Max. fuse protection (gG-aM)	In (A)	25	25	40	80	125	125	160	200	250
Connection screws		M4	M5	M5	M8	M8	M8	M8	M8	M8
Terminals										
Flexible wire	mm^2	6	16	16	50	50	50	70	95	120
Impulse voltage	Uimp KV	4	4	4	4	4	4	4	4	4
Conditional shortcircuit current	Icc KA	6	6	6	8	8	8	-	-	-
Operating voltage	Ue V~	690	690	690	690	690	690	690	690	690
Insulating voltage	V~	690	690	690	690	690	690	690	690	690
Operating rating	Ie A	25	25	40	63	100	125	160	200	250
Screw torque	Nm	1,6	2	2	3,5	3,5	3,5	12	12	12
AC 23 kW	3 x 230V	4	4	7,5	15	18,5	18,5	30	38	55*
Motor load VA kW	3 x 400V	7,5	7,5	18,5	22	30	37	52	65	110*
0,45 <cosØ <0,65 kW	3 x 500V	11	11	22	30	37	45	65	80	132*

Special requests

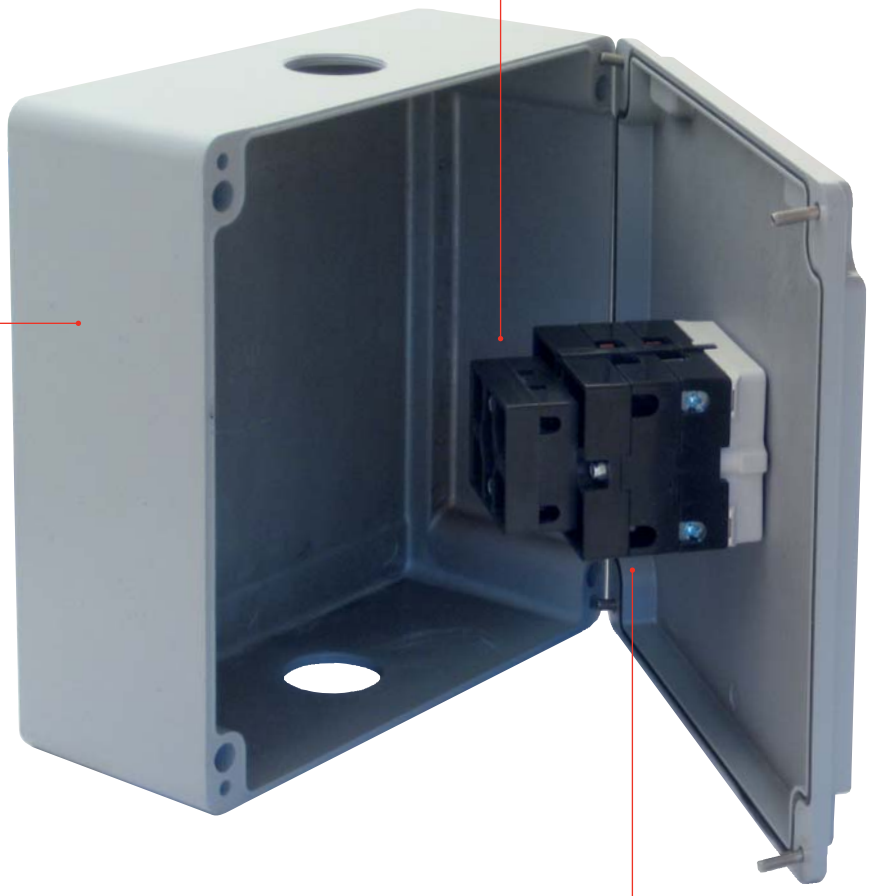
The large variety of installations that require this type of products often demand special product versions to particular needs.
When requiring adaptations such as auxiliary contacts, particular angle positions, specific enclosure surface treatments or colours, cable glands, fixing elements, reflecting handles,… we have at your service a technical office specialised on this type of specific demands.

General characteristics

Stringent requirements according to standards EN 12101-3 have originated a highly demanding research task aiming to reach optimal resistance to high temperature operation

Enclosure

The enclosure has direct contact with the heating source and acts as a firewall diminishing direct heat into the switch.



Advanced materials

High performance polymers mixed with additives succeed to obtain high temperature switches able to resist erosion while offering stable dimensions under high temperature conditions (controlled CTE) while keeping component lubricity and mechanical performance.

- F300 switch can be identified by its Light brown exterior colour. Employed materials offer excellent characteristics to temperature changes.
- The switch body on the F400 and F600 present a larger size containing specific mechanical elements on materials resistant to high temperatures.
- We recognise F400 switches by its external black colour whereas class F600 switches are identifies by its white colour.

IP65 protection

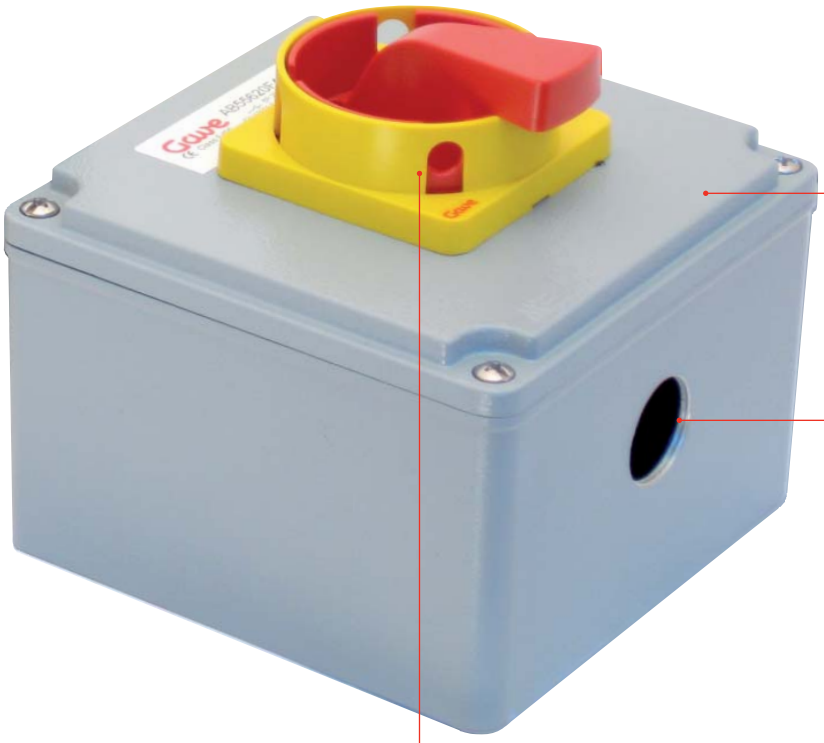
Sealing injected on the enclosure lid ensuring an IP65 degree of protection according to EN 60529.

Auxiliary contacts

Maximum reliability, contact cams operated with the same shaft of main contacts. Construction with the same materials as main contacts avoids temperature related unbalance.

Surface finish

Enclosure coated with epoxy polyester powder grey colour (RAL 7032 aluminium -7035 steel) semi-gloss textured made by electrostatic projection and high temperature oven dry. This treatment provides excellent protection against chemical agents.



Cabling

Connection is made through two threaded metric entries placed one on the enclosure top face and the other on the bottom face.

Handle

Safety/emergency handle with padlockable facility (up to 4 padlocks) on the disconnect position in order to guarantee safety during maintenance operations. Optionally padlockable in all positions.

F300 / F400 Rated switch disconnectors

General characteristics

The range of F300 and F400 switch disconnectors share the aluminium enclosures that offer a high IP and IK rating. The F300 range is limited at 40A and the F400 is limited to 125A when using aluminium enclosures. F400 higher ratings (160-250A) use lightweight sheet steel enclosures for easy handling and installation. All the range follows a surface treatment consisting of a epoxy polyester powder coating by electrostatic projection and high temperature oven drying that provides excellent protection against chemical agents.

F300 Classification

F300 switches are based on advanced polyether polymers that are widely used on the motor and aeronautic industry due to its high temperature resistance combined with excellent wear, chemical and hydrolytic behaviour.

F400 Classification

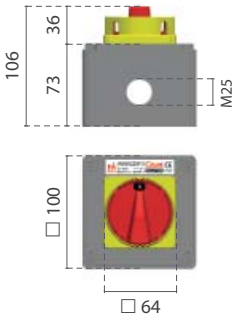
The stringent requirements on class F400 under fire conditions require the use of special composite materials that must combine good resistance to extreme temperatures while maintaining electrical characteristics requirements under IEC 947-3 when operating on normal conditions.

To guarantee insulation characteristics we need the use of an specific contact block dedicated to F400 classified switches. Mechanical components also must be modified in order to pass product testing sequence which requires a minimum functioning period of 120 minutes.

Dimensions

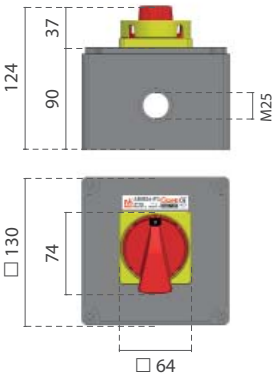
Box **size 1AL**

■ **F-300** 25A 3P/6P



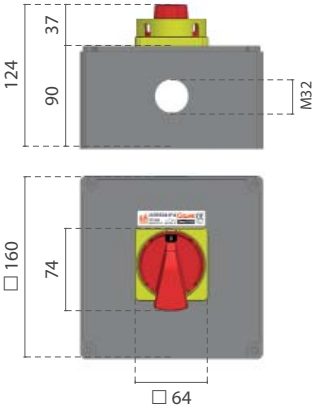
Box **size 2AL**

■ **F-300** 40A 3P/6P
■ **F-400** 25A 3P/6P



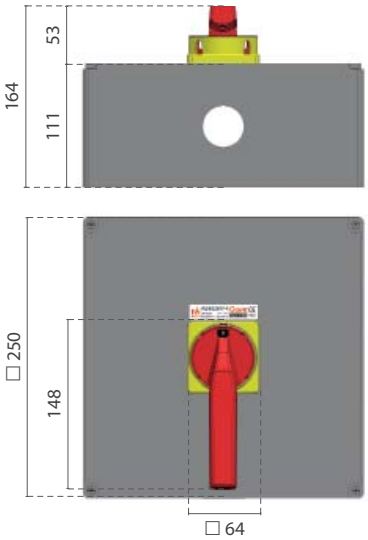
Box **size 3AL**

■ **F-400** 40-63A 3P / 63A 6P



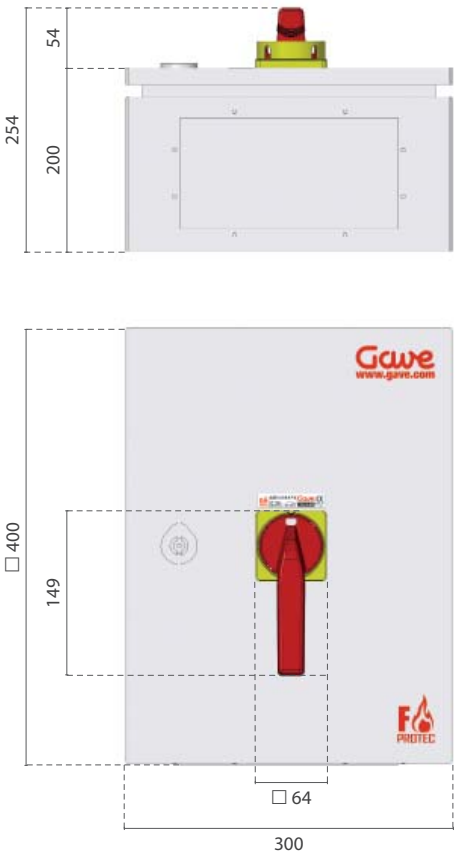
Box **size 4AL**

■ **F-400** 100-125A 3P / 63-100-125A 6P



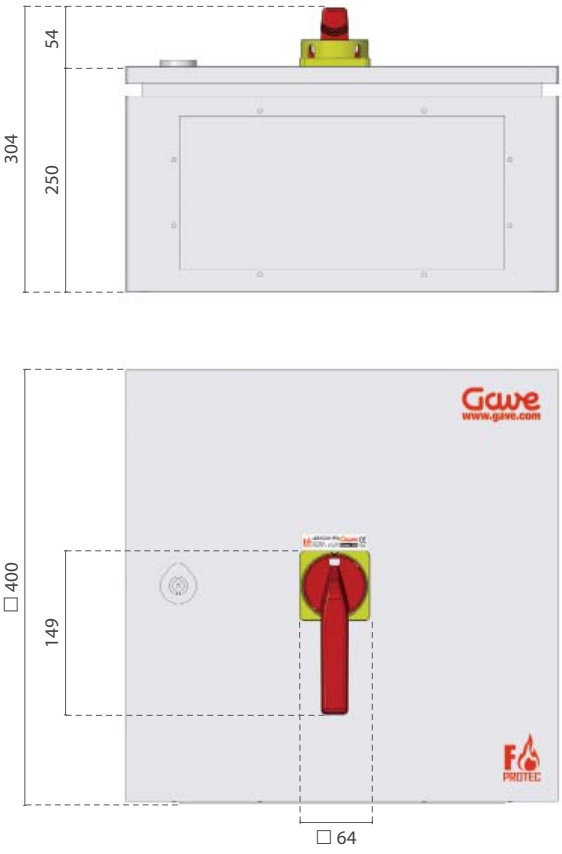
Box **size E3F**

■ **F-400** 160-200A 3P



Box **size E4F**

■ **F-400** 250A 3P / 160-200A-250A 6P



F300 / F400 Rated switch disconnectors

Standard references

F-300 Class

3 Poles

Reference	Enclosure size	Rating
AB55225F3	1AL	25 A
AB55241F3	2AL	40 A

6 Poles

Reference	Enclosure size	Rating
AB55625F3	1AL	25 A
AB55641F3	2AL	40 A

F-400 Class

3 Poles

Reference	Enclosure size	Rating
AB55221F4	2AL	25 A
AB55241F4	2AL	40 A
AB55261F4	3AL	63 A
AB55271F4	4AL	100 A
AB55291F4	4AL	125 A
AB552A1F4	E3F	160 A
AB552B1F4	E4F	200 A
AB552C1F4	E4F	250 A

6 Poles

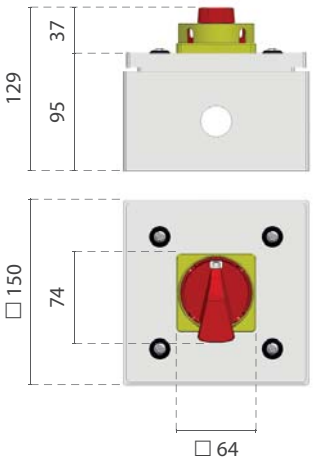
Reference	Enclosure size	Rating
AB55621F4	2AL	25 A
AB55641F4	3AL	40 A
AB55661F4	4AL	63 A
AB55671F4	4AL	100 A
AB55691F4	4AL	125 A
AB556A1F4	E3F	160 A
AB556B1F4	E4F	200 A
AB556C1F4	E4F	250 A

F-600

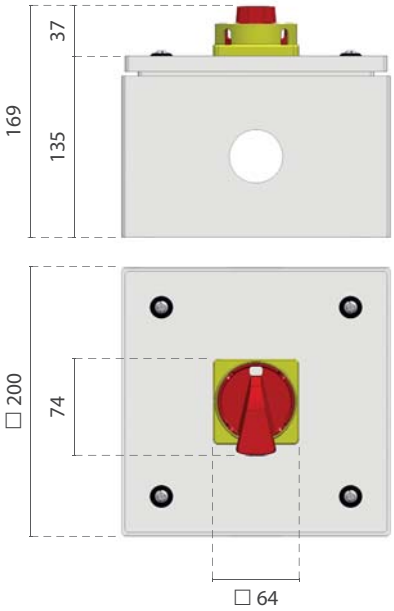
Constructing F600 switch disconnectors does require the use of very special materials able to overcome the extreme conditions under this category.
The enclosure is on cold-laminated steel resistant to 600ºC temperature.
Developing a particular mechanical block for high temperature has also improved switch behaviour under short-circuit conditions while keeping electrical performing characteristics when operating under normal conditions.

Dimensions

Enclosure **size 1AC**
■ **F-600** 25-40A 3P/6P



Enclosure **size 2AC**
■ **F-600** 63-100-125A 3P/6P



Standard references

Reference	Poles	Enclosure size	Rating
AB55221F6	3P	1AC	25 A
AB55241F6	3P	1AC	40 A
AB55261F6	3P	2AC	63 A
AB55271F6	3P	2AC	100 A
AB55291F6	3P	2AC	125 A
AB55621F6	6P	2AC	25 A
AB55641F6	6P	2AC	40 A
AB55661F6	6P	2AC	63 A
AB55671F6	6P	2AC	100 A
AB55691F6	6P	2AC	125 A