

VERSATILITY!

- COMPACT SIZE**
 The three-pole 16A to 63A switch disconnectors, are made up of a single unit body, merely 36mm/1.42" wide, while the 63A to 160A ratings, of another body size of only 70mm/2.75" wide.
- ACCESSORY FLEXIBILITY**
 Mounting and removal of the fourth pole and add-on blocks are simple and quick operations with no need for tools.
- VERSIONS FOR PHOTOVOLTAIC APPLICATIONS**
 The GA... and GD type switch disconnectors are suitable for both small domestic installations as well as those with a large number of solar cells. Use up to 1000V in DC21B category.



- CERTIFICATIONS**
 The 16A to 63A types are listed for Canada and the USA, certified according to UL508/CSA C22.2 n° 14. The 63A to 125A types are listed for Canada and the USA, certified according to UL98A/CSA C22.2 n° 4.



- SIDE MOUNT ADD-ON FOURTH POLE**

Simultaneous closing or early-make contact operation of the fourth pole with respect to the switch disconnector poles.



- ADD-ON AUXILIARY CONTACTS**

Only one add-on block suitable for all the 9 ratings of switch disconnectors, having simultaneous closing with the switch disconnector poles. There are versions with an early-break NO contact with respect to the switch disconnector.

- MAXIMUM COMBINATIONS**

Mounting up to 4 auxiliary contacts or 1 fourth pole and 3 auxiliary contacts (2 blocks always on the right and 2 on the left side) of each switch disconnector. The earth and neutral terminals and fuse holder also can be added.



- DOOR COUPLING HANDLE WITH FRONT DIMENSIONS 48X48MM**

The GAX68 and GAX68B handles can be used in panels and boxes of limited dimensions.



- 6 AND 8 POLE VERSION**

Mechanical coupling systems are available for the 16A to 160A switch disconnectors with direct operating handle to provide 6/8 pole disconnectors or a mechanical interlock mechanism for the line changeover function (I - 0 - II). The enclosed switches are cULus certified.



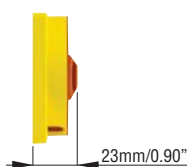
- FUSE HOLDERS**



A three-pole fuse holder can be added to 16A to 32A switch disconnectors, with direct operating handle, to provide a single compact unit. Access to the fuse can be made only when the disconnector is in OFF position.

- REDUCED HANDLE THICKNESS**

GAX61 and GAX 61 B handles are only 23mm thick.



- IP65 PADLOCKABLE HANDLES**

Wide range of selector or pistol grip handles, with screw or ring fixing. All handles are equipped with built-in padlockable mechanism. The selector handle GAX63... snaps onto the door mount switch disconnectors in 16A to 40A ratings, with no need for tools.



- HANDLE ADAPTABILITY**

The extensive number of fixing holes in the front handle plate can replace switch disconnectors, normally found out in the field, without having to drill others.



- UL508A HANDLE VERSION**

In compliance with UL508A standards, which require internal panel inspection by authorised personnel with power applied, selector and pistol handles are available with defeatable feature of the door coupling when the switch disconnector is closed, i.e. in ON position.



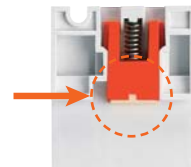
- SWITCH STATUS INDICATION**

The switch open or closed state is clearly and unequivocally seen at a distance thanks to the simple and modern design of the handles.

- DIN RAIL FIXING**

Switch disconnector mounting on and removal from the 35mm DIN rail are done by simply pressing it downwards with no need for tools.

- ANTI-SLIDE INSERT FOR DIN RAIL**



A rubber pad insert prevents the sliding of switch disconnectors on the DIN rail even when out of tolerance or mounted vertically.

- TERMINAL ADAPTABILITY**

Terminals are suitable to accept any type of cable: flexible, rigid, AWG wire. The terminals can withstand high tightening torques.

- HIGH IEC CAPABILITY IN AC23**

The rated currents I_n in AC23 at 690VAC are the highest of the category.

- MODULARITY**

The switch disconnectors can be mounted in modular panels.

Three-pole switch disconnectors



GA016 A...
GA040 A
GA063 SA



GA063 A...
GA160 A

new



GA016 C...
GA040 C



GA063 C...
GA125 C

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤415V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]

Direct operating version, complete with black handle.
For door coupling version, separately purchase the handle and shaft extension (see page 11-8 and 11-10).

GA016 A	16	16	1	0.146
GA025 A	25	25	1	0.146
GA032 A	32	32	1	0.146
GA040 A	40	40	1	0.146
GA063 SA	63	45	1	0.148
GA063 A	63	63	1	0.388
GA080 A	80	80	1	0.388
GA100 A	100	100	1	0.388
GA125 A	125	125	1	0.388
GA160 A	160	125	1	0.388

Door mount version, complete with shaft extension (purchase handle separately, see page 11-8).

GA016 C	16	16	1	0.170
GA025 C	25	25	1	0.170
GA032 C	32	32	1	0.170
GA040 C	40	40	1	0.170
GA063 C	63	63	1	0.404
GA080 C	80	80	1	0.404
GA100 C	100	100	1	0.404
GA125 C	125	125	1	0.404

Fourth pole add on



GAX42...A
GAX41...A
GAX42 063SA
GAX41 063SA

new



GAX42 040C
GAX41 040C

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	IEC rated operational current Ie AC22A (≤690V) AC23A (≤415V)	Qty per pack	Wt
	[A]	[A]	n°	[kg]

Simultaneous closing operation as switch disconnector poles. For GA...A version.

GAX42 040A ^①	40	40	1	0.045
GAX42 063SA ^②	63	45	1	0.045
GAX42 063A	63	63	1	0.126
GAX42 080A	80	80	1	0.126
GAX42 100A	100	100	1	0.126
GAX42 125A	125	125	1	0.126
GAX42 160A	160	125	1	0.126

For GA...C version.

GAX42 040C ^③	40	40	1	0.045
GAX42 063C	63	63	1	0.128
GAX42 080C	80	80	1	0.128
GAX42 100C	100	100	1	0.128
GAX42 125C	125	125	1	0.128

Early make closing operation with respect to switch disconnector poles. For GA...A version.

GAX41 040A ^④	40	40	1	0.046
GAX41 063SA ^⑤	63	45	1	0.046
GAX41 125A ^⑥	125	125	1	0.116

For GA...C version.

GAX41 040C ^③	40	40	1	0.046
GAX41 125C ^③	125	125	1	0.128

- ① For GA016 A...GA040 A only.
- ② For GA063 SA only.
- ③ For GA016 C...GA040 C only.
- ④ For GA063 A...GA125 A only.
- ⑤ For GA063 C...GA125 C only.
- ⑥ For GA063 C...GA125 C only.

General characteristics

- 16A to 160A
- Available versions:
 - Direct operating
 - Door mount
 - Door coupling. Use switch disconnector with direct operating handle and separately purchase the handle and shaft extension for this version. See pages 11-8 and 10.
- Compact and modular size
- Screw or 35mm DIN rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- Rated insulation voltage Ui: 1000V
- Rated impulse withstand Uimp: 8kV
- Electrical life in AC21A:
 - 100,000 cycles GA016...GA040, GAX...40A/C
 - 15,000 cycles GA063 SA, GAX...063SA
 - 30,000 cycles GA063...GA125, GAX...063...125A/C
 - 1,500 cycles GA160A, GAX42 160A
- Mechanical life:
 - 100,000 cycles GA016...GA040 A/C, GA063 SA, GAX...40A/C, GAX...063SA
 - 30,000 cycles GA063...GA160A, GAX...063...125A/C, GAX42 160A.

Certifications and compliance

Certifications obtained:

Type	cULus according to UL508 / CSA C22.2 no. 14	cULus according to UL98A / CSA C22.2 no. 4	EAC	KEMA
GA016 A...GA040 A	●	—	●	●
GA063 SA	●	—	●	—
GA016 C...GA040 C	●	—	●	●
GA063 A...GA125 A	—	●	●	—
GA160 A-GAX42 160A	—	—	●	—
GA063 C...GA125 C	—	●	●	—
GAX41 040A-GAX42 040A	●	—	●	—
GAX41 063SA-GAX42 063SA	●	—	●	—
GAX41 040C-GAX42 040C	●	—	●	—
GAX41 125A-GAX42 125C	—	●	●	—
GAX42 063A...GAX42 125A	—	●	●	—
GAX42 063C...GAX42 125C	—	●	●	—

● Certification obtained.

Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1, UL508, UL98A, CSA C22.2.

Strokes of GA poles (main poles and add-on pole)

	Travel 0 → 1	0°	30°	60°	90°
GA016A/C...GA040A/C - GA063SA Main poles				60°	
GAX42040A/C - GAX42063SA Simultaneous closing fourth-pole add on				60°	
GAX41040A/C - GAX41063SA Early-make fourth-pole add on				55°	
GA063A/C...GA125A/C, GA160A Main poles				55°	
GAX42063A/C...GAX42125A/C, GAX42160A Simultaneous closing fourth-pole add on				55°	
GAX41125A/C Early-make fourth-pole add on				48°	
	OFF				ON

Add-on blocks



GAX11 10EA
GAX12 10EA



GAX3...A GAX3...C



GAX50...
GAX60...

Order code	Characteristics	Qty per pack	Wt
		n°	[kg]
Auxiliary contacts, simultaneous closing as poles of switch disconnector.			
GAX10 11A	1NO + 1NC for GA...A, GA063 SA and GA040 D	1	0.030
GAX10 11C	1NO + 1NC for GA...C	1	0.030
Auxiliary contacts, early-break operation with respect to poles of switch disconnector.			
GAX11 10EA	1EB (NO) for GA016 A...GA040 A, GA063 SA and GA040 D	1	0.035
GAX12 10EA	1EB (NO) for GA063 A...GA160 A	1	0.035
Neutral terminal.			
GAX31 A	For GA016 A...GA040 A, GA063 SA and GA040 D	1	0.040
GAX32 A	For GA063 A...GA160 A	1	0.110
GAX31 C	For GA016 C...GA040 C	1	0.040
GAX32 C	For GA063 C...GA125 C	1	0.110
Earth/Ground terminal.			
GAX33 A	For GA016 A...GA040 A, GA063 SA and GA...D	1	0.040
GAX34 A	For GA063 A...GA160 A	1	0.110
GAX33 C	For GA016 C...GA040 C	1	0.040
GAX34 C	For GA063 C...GA125 C	1	0.110
Mechanical interlock for line changeover (I-O-II).			
GAX50 00	For GA016 A...GA040 A, GA063 SA, GA040 D and GAX67 B; □ 5mm/0.2" ❶	1	0.050
GAX50 01	For GA063 A...GA160 A and GAX67 B; □ 5mm/0.2" ❶	1	0.075
Mechanical coupling system for 6-8 pole switch disconnectors.			
GAX60 00	For GA016 A...GA040 A, GA063 SA and GA040 D; □ 5mm/0.2" ❶	1	0.050
GAX60 01	For GA063 A...GA125 A, □ 7mm/0.3" ❷❸	1	0.075

- ❶ Use GAX7... shaft extensions.
- ❷ Use GAX66.. handles and GAX7...A extensions for a door coupling version.
- ❸ Cannot be used with GA160A.

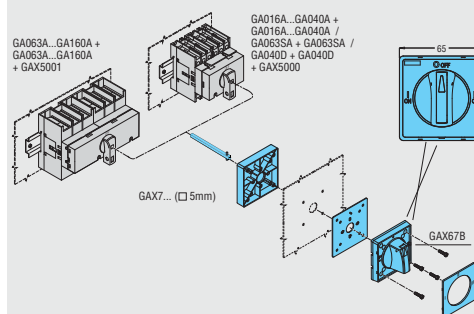
Operational characteristics of auxiliary contacts

- Conventional free air thermal current Ith: 10A
- UL/CSA and IEC/EN 60947-5-1 designation: A600-Q600
- Tightening torque: 0.8Nm/7.1lbin.

Operational characteristics for other devices

- Tightening torque:
 - GAX31A/C-GAX33A/C terminals: 1.8...2Nm/16...18lbin
 - GAX32A/C-GAX34A/C terminals: 5...6Nm/45...54lbin
 - GAX5000/1-GAX6000/1 fixing: 0.5Nm/4.4lbin; extension with handle: 0.8Nm/7.1lbin.

Transformation of direct operating version into door coupling type



Certifications and compliance

Certifications obtained:

Type	cULus according to UL508 / CSA C22.2 no. 14	cULus according to UL98A / CSA C22.2 no. 4	EAC
GAX10 11A - GAX10 11C	●	—	●
GAX11 10EA	●	—	●
GAX12 10EA	●	—	●
GAX31 A - GAX31 C	●	—	●
GAX32 A - GAX32 C	—	●	●
GAX33 A - GAX33 C	●	—	●
GAX34 A - GAX34 C	—	●	●
GAX50 00 - GAX60 00	●	—	●
GAX50 01 - GAX60 01	—	●	●

● Certification obtained.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, IEC/EN 60947-5-1, UL508, UL98A, CSA C22.2.

Strokes of GA poles (main poles with auxiliary contacts)

	Travel 0→1	0°	30°	60°	90°
GA016A/C...GA040A/C - GA063SA Main poles				60°	
GAX10 11A - GAX10 11C Auxiliary contacts (1NO+1NC)				60°	
	NO				
	NC				
GAX11 10EA auxiliary contact (1EB NO early-break with respect to main poles)		40°			
	Travel 0→1		60°		
	Travel 1→0			70°	
GA063A/C...GA125A/C, GA160A Main poles				55°	
GAX10 11A - GAX10 11C Auxiliary contacts (1NO+1NC)				45°	
	NO				
	NC				
GAX12 10EA auxiliary contact (1EB NO early-break with respect to main poles)		25°			
	Travel 0→1		55°		
	Travel 1→0			65°	

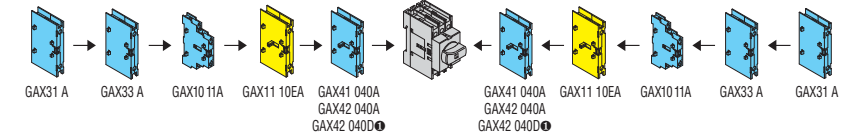
OFF ON

Strokes of GA...D types (main poles and auxiliary contacts)

	Corsa 0→1	0°	30°	60°	90°
GA040 D Main poles				60°	
GA042 040D simultaneous closing fourth -pole add on				60°	
GAX10 11A Auxiliary contacts (1NO+1NC)				60°	
	NO				
	NC				
GAX11 10EA auxiliary contact (1EB NO early-break with respect to main poles)		40°			
	Travel 0→1		60°		
	Travel 1→0			70°	

Maximum combinations

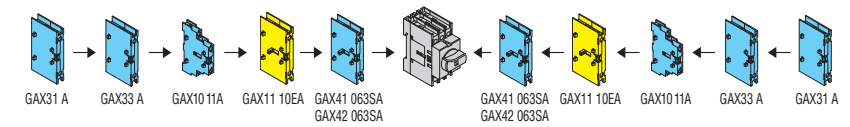
GA016 A...GA040 A Sequence and maximum combination of add-on blocks on direct operating switch disconnectors.
GA040 D



1	1	1	—	1	GA016 A GA025 A GA032 A GA040 A	—	—	2	1	1	
1	1	2	—	—		1	—	1	1	1	
1	1	1	—	1		—	1	—	1	1	
1	1	1	1	—		1	—	2	1	1	
1	1	1	2	—		—	—	1	1	1	
1	1	2	—	—		—	—	2	1	1	
1	1	—	—	—		GA040 D	1	—	—	1	1
1	1	—	—	1		—	—	—	1	1	1
1	1	—	—	—		—	—	—	—	1	1
1	1	—	—	—		—	—	—	—	1	1

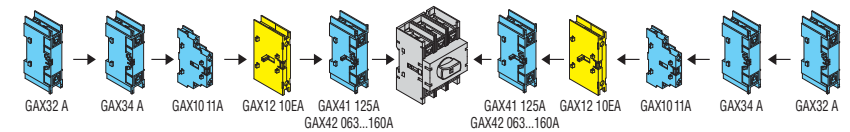
1 GAX42 040D can be used with GA040 D switch only.

GA063 SA



1	1	1	—	1	GA063 SA	—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1		—	—	1	1	1
1	1	1	1	—		1	—	1	1	1
1	1	1	1	—		—	—	2	1	1
1	1	1	2	—		—	—	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	—		—	1	—	1	1
1	1	—	—	1		—	—	—	1	1
1	1	—	—	—		—	—	—	1	1

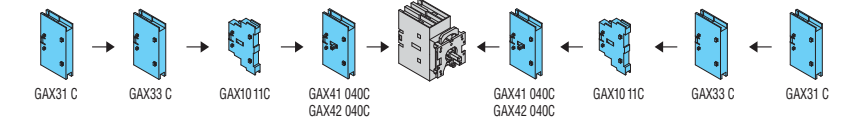
GA063 A...GA160 A



—	—	1	—	1	GA063 A GA080 A GA100 A GA125 A GA160 A	—	—	2	—	—	
—	—	2	—	—		1	—	1	—	—	
—	—	1	—	1		—	—	1	—	—	
—	—	1	1	—		—	1	—	—	—	
—	—	1	1	—		—	—	2	—	—	
—	—	2	—	—		—	—	1	1	—	
—	—	2	—	—		—	—	2	—	—	
1	1	—	—	—		—	1	—	—	1	1
1	1	—	—	1		—	—	—	1	1	1
1	1	—	—	—		—	—	—	1	1	1

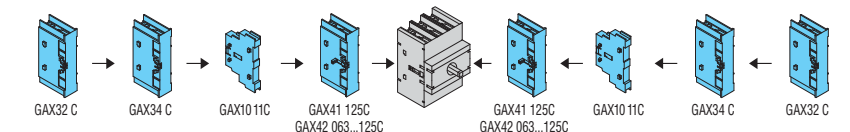
1 GA160 A can be fitted with 1 single 4th pole (GAX42160 A) on one side and an auxiliary contact on the other.

GA016 C...GA040 C Sequence and maximum combination of add-on blocks on door mount switch disconnectors.



1	1	1	1	GA016 C GA025 C GA032 C GA040 C	—	1	1	1	
1	1	1	—		—	1	—	1	1
1	1	1	—		—	—	1	1	1
1	1	1	—		—	1	—	1	1
1	1	1	—		—	—	1	1	1
1	1	—	—		—	—	—	1	1

GA063 C...GA125 C

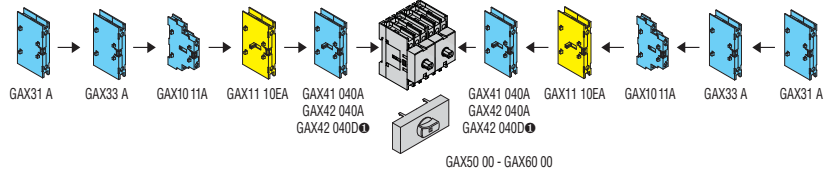


—	—	1	—	1	GA063 C GA080 C GA100 C GA125 C	—	1	—	—	
—	—	1	—	—		1	—	1	—	—
1	1	—	—	1		—	—	1	—	—
—	—	1	—	—		—	1	—	1	1
—	—	1	—	—		—	—	1	—	—
1	1	—	—	—		—	—	—	1	1

Maximum combinations

GA016 A...GA040 A
GA040 D
+ GAX50 00 -
GAX60 00

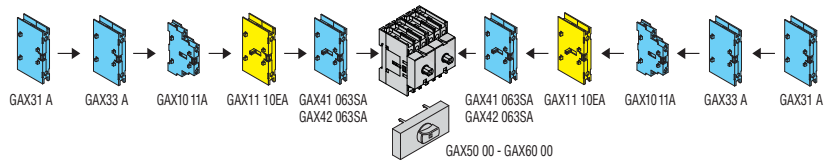
Sequence and maximum combination for mechanical coupling and mechanical interlock for line changeover.



1	1	1	—	1	GA016 A + GA016 A	1	—	1	1	1	
1	1	1	—	1		GA025 A + GA025 A	—	—	2	1	1
1	1	2	—	—			1	—	1	1	1
1	1	1	—	1		GA032 A + GA032 A	—	1	1	1	1
1	1	1	1	—			1	—	2	1	1
1	1	2	—	—		GA040 A + GA040 A	—	1	1	1	1
1	1	2	—	—			—	—	2	1	1
1	1	—	—	1		GA040 D + GA040 D ①	1	—	—	1	1
1	1	—	—	—			—	—	—	1	1

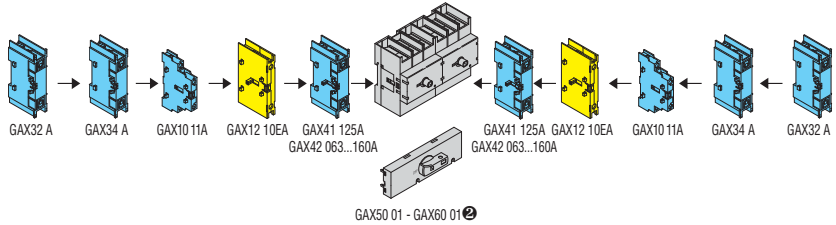
① GAX42 040D can be used with GA040 D switch only.

GA063 SA
+ GAX50 00 -
GAX60 00



1	1	1	—	1	GA063SA + GA063SA	1	—	1	1	1
1	1	1	—	1		—	—	2	1	1
1	1	2	—	—		1	—	1	1	1
1	1	1	—	1		—	1	1	1	1
1	1	1	1	—		1	—	1	1	1
1	1	1	1	—		—	—	2	1	1
1	1	2	—	—		—	1	1	1	1
1	1	2	—	—		—	—	2	1	1
1	1	—	—	1		1	—	—	1	1
1	1	—	—	—	—	—	—	1	1	

GA063 A...GA160 A
+ GAX50 01 -
GAX60 01



—	—	1	—	1	GA063 A + GA063 A	1	—	1	—	—	
—	—	1	—	1		GA080 A + GA080 A	—	—	2	—	—
—	—	2	—	—			1	—	1	—	—
—	—	1	—	1		GA100 A + GA100 A	—	1	1	—	—
—	—	1	1	—			1	—	2	—	—
—	—	2	—	—		GA125 A + GA125 A	—	1	1	—	—
—	—	2	—	—			—	—	2	—	—
1	1	—	—	1		GA160 A + GA160 A ①	1	—	—	1	1
1	1	—	—	—			—	—	—	1	1

① GA160A can be fitted with a single auxiliary contact (GAX1011A) per side.

② Cannot be used with GA160A

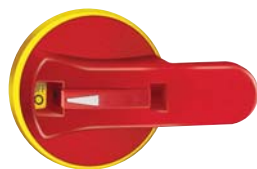
Handles



GAX61



GAX62



GAX66



GAX68



GAX63 B



GAX63 2B
Low profile



GAX67 B

new

new

Order code	Characteristics	Qty per pkg	Wt [kg]
DOOR COUPLING VERSION PADLOCKABLE, IP65 (4X). Red/yellow.			
GAX61	For GA...A, GA063 SA, GA...C, GA040 D and GD... Screw fixing. Handle with selector flush-mounted ①. □ 5mm/0.2"	1	0.073
GAX62	For GA...A, GA063 SA, GA...C, GA040 D and GD... Screw fixing. Handle with selector protruding ①. □ 5mm/0.2"	1	0.072
GAX63	For GA...A, GA063 SA, GA016 C... GA040 C, GA040 D and GD... Ring fixing. Handle with selector protruding ①②. □ 5mm/0.2"	1	0.068
GAX63 2	Per GA...A, GA063 SA, GA040 D and GD... Ring fixing lowered. Handle with selector protruding. □ 5mm/0.2" ①	1	0.057
GAX64	For GA...A, GA063 SA, GA040 D and GD... Ring fixing. Handle with selector protruding - defeatable (requirement UL508A)①. □ 5mm/0.2"	1	0.064
GAX66	For GA063 A...GA160 A, and GAX60 01. Screw fixing. Pistol handle - defeatable (req. UL 508A)③. □ 7mm/0.3"	1	0.140
GAX68	For GA016 A...GA063 SA, GA040 D, GA016 C...GA040 C and GD... Screw fixing. Handle with selector lowered ①. □ 5mm/0.2"	1	0.060

Black.			
GAX61 B	For GA...A, GA063 SA, GA...C, GA040 D and GD... Screw fixing. Handle with selector flush-mounted ①. □ 5mm/0.2"	1	0.073
GAX62 B	For GA...A, GA063 SA, GA...C, GA040 D and GD... Screw fixing. Handle with selector protruding ①. □ 5mm/0.2"	1	0.072
GAX63 B	For GA...A, GA063 SA, GA016 C... GA040 C, GA040 D and GD... Ring fixing. Handle with selector protruding ①②. □ 5mm/0.2"	1	0.068
GAX63 1B	For GA...A, GA063 SA, GA016 C... GA040 C, GA040 D and GD... Ring fixing. Handle with selector protruding padlockable in ON pos. (UNI 9490 and UNI EN 12845) ①②. □ 5mm/0.2"	1	0.074
GAX63 2B	For GA...A, GA063 SA, GA040 D and GD... Ring fixing lowered. Handle with selector protruding. □ 5mm/0.2" ①	1	0.057
GAX64 B	For GA...A, GA063 SA, GA040 D and GD... Ring fixing. Handle with selector protruding - defeatable (requirement UL508A)①. □ 5mm/0.2"	1	0.064
GAX66 B	For GA063 A...GA160 A and GAX60 01. Screw fixing. Pistol handle - defeatable (req. UL 508A)③. □ 7mm/0.3"	1	0.140
GAX67 B	For mechanical interlock GAX50... (I-O-II)①. □ 5mm/0.2"	1	0.078
GAX68 B	For GA016 A...GA063 SA, GA040 D, GA016 C...GA040 C and GD... Screw fixing. Handle with selector lowered ①. □ 5mm/0.2"	1	0.060

ACCESSORIES FOR DOOR COUPLING CONTROL For GAX66 and GAX66 B handles.			
GAX60 B	Adaptor □ 7mm/0.3" per GA063 A...GA160 A	1	0.010

General and operational characteristics

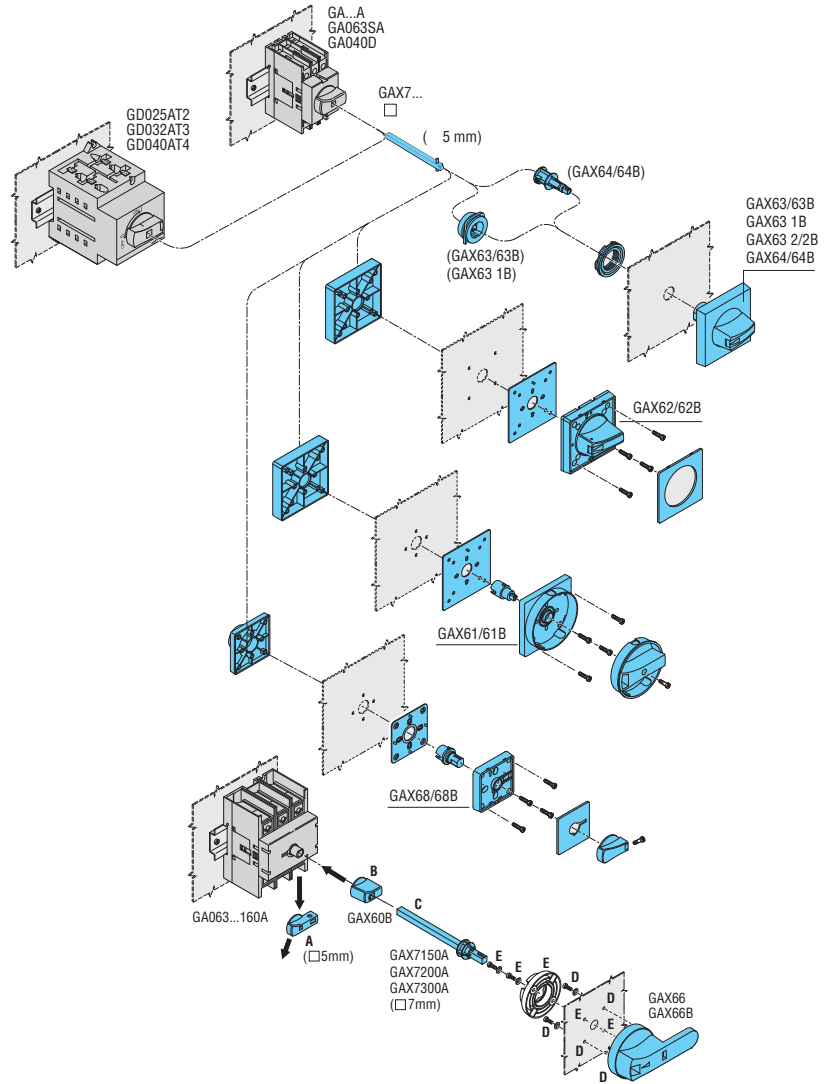
- Choice of handle fixing: ring or screw
- Fixing handle interaxis:
 - GAX61/61B-GAX62/62B-GAX67B: 36x36mm/1.42x1.42" or 48x48mm/1.89x1.89"
 - GAX66/66B: 36x36mm/1.42x1.42"
 - GAX68/68B: 28x28mm/1.10x1.10" or 36x36mm/1.42x1.42"
- Compatible with pre-existing drillings of most common types in the marketplace
- 1 to 3 padlocks in the Ø4...8mm/0.16...0.31" for all handles (except GAX68 only one Ø4...8mm/0.16...0.31")
- Front plate dimensions:
 - GAX61/61B-GAX62/62B-GAX63/63B-GAX64/64B-GAX67/67B: 65x65mm/2.56x2.56"
 - GAX66/66B: Ø75mm/2.95"
 - GAX68/68B: 48x48mm/1.89x1.89"
- Tightening torque:
 - Fixing ring types: 2.3Nm/20.4lbin
 - GAX60B: 0.8Nm/7lbin
 - GAX66/66B: 1.5Nm/13.3lbin
 - All others: 1Nm/9lbin
- Degree of protection for all: IP65
- Degree of protection for GAX66/66B: IP66; for UL/CSA data see detail on page 11-10.

Certifications and compliance

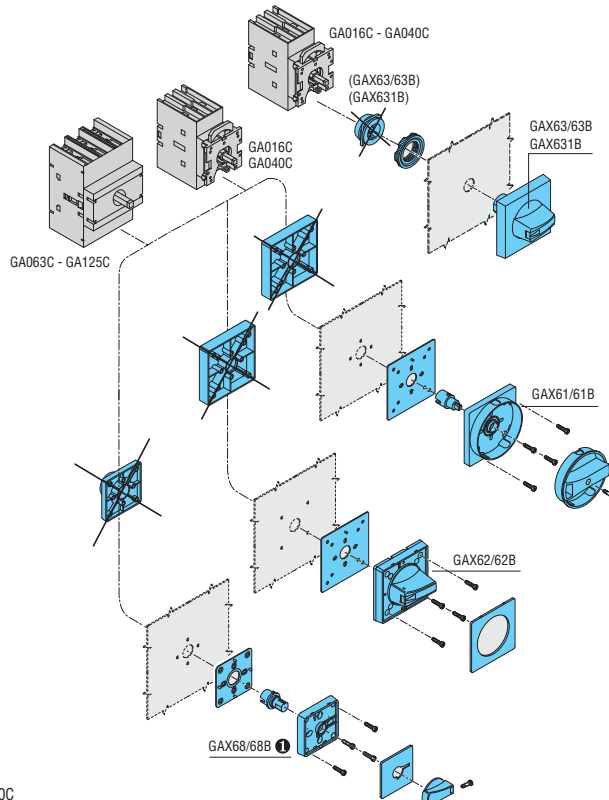
Certifications obtained: cULUS for GAX68. See the table on page 11-10.

① For GA...A and GA040 D switch disconnectors, separately purchase extension GAX7...
 ② Snap-on fixing of GA016 C...GA040 C switch disconnectors with the handle.
 ③ Separately purchase GAX7...A shaft extension and GAX60 B handle having a 7mm square section, not required for GAX60 01.

Transformation of direct operating version into door coupling version



Door mount version



① Only for GA016C...GA040C

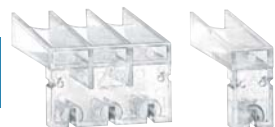
Shaft extensions Terminal covers Fuse holders/blocks



GAX7...



GAX7... A



GAX8...



GAX39 1

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]

Shaft extension for door coupling handles GAX61...GAX64, GAX68, GAX61 B...GAX64 B, GAX67 B, GAX68 B and mechanical interlock type GAX50 00, GAX50 01 and mechanical coupling GAX60 00.

GAX7 055	55mm/2.16" long □ 5mm/0.2"	1	0.012
GAX7 070	70mm/2.75" long □ 5mm/0.2"	1	0.014
GAX7 090	90mm/3.54" long □ 5mm/0.2"	1	0.018
GAX7 150	150mm/5.90" long □ 5mm/0.2"	1	0.032
GAX7 200	200mm/7.87" long □ 5mm/0.2"	1	0.070
GAX7 300	300mm/11.81" long □ 5mm/0.2"	1	0.068
GAX7 400	400mm/15.75" long □ 5mm/0.2"	1	0.072
GAX7 500	500mm/19.68" long □ 5mm/0.2"	1	0.090

Shaft extension for door coupling handles GAX66, GAX66 B and mechanical coupling system GAX60 01.

GAX7 150A	150mm/5.90" long □ 7mm/0.3"	1	0.090
GAX7 200A	200mm/7.87" long □ 7mm/0.3"	1	0.112
GAX7 300A	300mm/11.81" long □ 7mm/0.3"	1	0.160

Set of 2 one-pole terminal covers for fourth pole.

GAX81	For GAX42 040A, GAX42 063SA, GAX42 040C, GAX42 040D, GAX41 040A, GAX41 063A and GAX41 040C	1	0.009
GAX82	For GAX42 063A...GAX42 160A	1	0.012

Set of 2 three-pole terminal covers.

GAX83	For GA016 A...GA040 A, GA063 SA, GA016 C...GA040 C and GA040 D	1	0.011
GAX84	For GA063 A...GA160 A, GA063 C...GA125 C	1	0.030

Fuse holder for switch disconnectors.

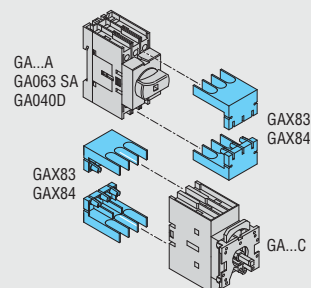
GAX39 1	For GA016 A...GA032 A Suitable for 10.3x38 fuse size	1	0.132
GAX39 1UL	For GA016 A...GA025 A Suitable for Class CC fuses	1	0.135

Operational characteristics of fuse holder

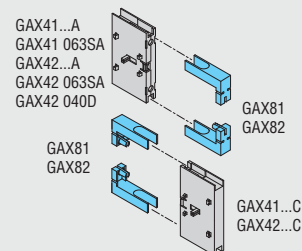
- IEC rated insulation voltage Ui: 1000V
- IEC rated impulse withstand Uimp: 8kV
- The fuse holder/blocks connects directly to the switch disconnectors
- Access to fuses only when the switch disconnectors are in OFF position.

Terminal covers

For switch disconnectors



For fourth pole



Certifications and compliance

Certifications obtained:

Type	cULus according to UL508 / CSA C22.2 no. 14	cULus according to UL98A / CSA C22.2 no. 4	EAC
GAX61-GAX61 B	●	●	●
GAX62-GAX62 B	●	●	●
GAX63-GAX63 B	●	●	●
GAX63 1B	—	—	●
GAX63 2-GAX63 2B	●	●	●
GAX64-GAX64 B	●	●	●
GAX66-GAX66 B	—	●	●
GAX67 B	●	—	●
GAX68-GAX68 B	●	—	●
GAX60 B	—	●	●
GAX7 055...GAX7 500	●	●	●
GAX7 150A ... GAX7 300A	—	●	●
GAX81-GAX83	●	—	●
GAX82-GAX84	—	●	●
GAX39 1	—	—	●
GAX39 1UL	●	—	—

● Certification obtained.

NOTE: Types GAX62/62B, GAX63/63B, GAX 632/2B, GAX64/64B, GAX68/68B, GX67 are UL/CSA Type 1, 2, 3R, 12, 12K, 4, 4X external use when used with types GA016...40A/C, GA040D and GA063SA while with GA063...GA125A/C, only UL/CSA Type 1. Types GAX61/61B and GAX66/66B are UL/CSA Type 1, 4, 4X external use with all GA types.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, UL508, UL98A, CSA C22.2.

Empty enclosures IEC/EN IP65 type



GAZ1

GAZ2



GAZ3



GAX30

new

Order code	Description	Qty per pkg	Wt
		n°	[kg]

For switch disconnectors.
With red/yellow handle. Complete with shaft extension.

GAZ1	For GA016 A...GA040 A/D	1	0.320
GAZ2	For GA063 SA, GA063 A...GA100 A	1	0.780
GAZ3	For GA125 A...GA160 A	1	1.900

With black handle. Complete with shaft extension.

GAZ1 B	For GA016 A...GA040 A/D	1	0.320
GAZ2 B	For GA063 SA, GA063 A...GA100 A	1	0.730
GAZ3 B	For GA125 A...GA160 A	1	1.900

Accessory.

GAX 30	Shielded cable fixing kit for GAZ1 and GAZ1B	1	0.083
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The empty enclosures are supplied with the following accessories:

Enclosure	GAZ1 GAZ1B	GAZ2 GAZ2B	GAZ3 GAZ3B
Red/yellow handle	GAX61	GAX61	GAX61
Black handle	GAX61B	GAX61B	GAX61B
Extension	1	1	1
Neutral plate terminal	1	1	-
Earth/Ground plate terminal	1	1	-

General characteristics

- Enclosure material: ABS
- For four-pole types not indicated, separately purchase corresponding fourth pole GAX42...A and install on enclosed 3-pole version
- Possible accessories to mount afterwards, if any required:
 - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
 - GAZ016...GAZ040...: 1 contact block both on the right and left disconnector side unless 4th pole is installed
 - Other types: 2 contact blocks both on the right and left disconnector side unless 4th pole is installed
 - GAZ125...GAZ160...: if any earth/ground and/or neutral terminal required, separately purchase types GAX3... given on page 11–5.
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
 - GAZ016...GAZ040... and GAZ1...: 1.3Nm/16lbin
 - Other types: 1.5Nm/13lbin
- Degree of protection: IP65
- Cable entry:
 - GAZ016..., GAZ040... and GAZ1... types: PG16/M25 and PG13.5/M20 knockouts
 - GAZ063SA...GAZ100... and GAZ2... types: PG16/M25 and PG29/M32 knockouts
 - GAZ125..., GAZ160... and GAZ3 types: Smooth surfaces; can be drilled by customer.

Certifications and compliance

Certifications obtained: EAC
Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1.

Empty enclosures UL/CSA Type 4/4X



GAZ1 UL



GAZ2 UL



GAX30

new

Order code	Description	Qty per pkg	Wt
		no.	[kg]

For switch disconnectors.
With red/yellow handle. Complete with shaft extension.

GAZ1 UL	For GA016 A...GA040 A and GA040 D	1	0.320
GAZ2 UL	For GA063 SA	1	0.730

With black handle. Complete with shaft extension.

GAZ1 B UL	For GA016 A...GA040 A and GA040 D	1	0.320
GAZ2 B UL	For GA063 SA	1	0.730

Accessory.

GAX 30	Shielded cable fixing kit for GAZ1UL and GAZ1BUL	1	0.083
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The empty enclosures are supplied with the following accessories:

Enclosure	GAZ1UL GAZ1BUL	GAZ2UL GAZ2BUL
Red/yellow handle	GAX61	GAX61
Black handle	GAX61B	GAX61B
Extension	1	1
Neutral plate terminal	1	1
Earth/Ground plate terminal	1	1

General characteristics

- Enclosure material: Polycarbonate
- For four-pole types not indicated, separately purchase corresponding fourth pole GAX4...A and install on enclosed 3-pole UL-suffix version
- Possible accessories to mount afterwards, if any required:
 - GAX30 to provide shielded cable connection continuity (e.g. with static converters)
 - GAZ016...GAZ040...: 1 contact block both on the right and left disconnector side unless 4th pole is installed
 - Other types: 2 contact blocks both on the right and left disconnector side unless 4th pole is installed
- Padlockable handles
- Sealable cover
- Tightening torque for cover screws:
 - GAZ016...GAZ040...UL and GAZ1...UL: 1.3Nm/16lbin
 - Other types: 1.5Nm/13lbin
- Degree of protection: IP65; UL/CSA Type 4/4X
- Cable entry:
 - GAZ016...GAZ040...UL and GAZ1...UL types: PG16/M25 and PG13.5/M20 knockouts
 - GAZ063SA...UL and GAZ2...UL types: PG16/M25 and PG29/M32 knockouts
 - GAZ063...GAZ125...UL types: Smooth surfaces; can be drilled by customer.

Certifications and compliance

Certifications obtained: EAC for all; cULus for GAZ016...GAZ125...UL, GAZ1...UL and GAZ2...UL types.
Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1, UL 508 and CSA C22.2 no. 14 (up to GAZ063SA...), UL98A and CSA C22.2 n° 4 (for all others).

IEC/EN IP65 non-metallic enclosure



GAZ016...GAZ040...



GAZ063...100 C



GAZ125... GAZ160...

Order code	IEC conventional free air thermal current I _{th} AC21A (≤690V)	Qty per pkg	Wt
	[A]	n°	[kg]

THREE POLE.
With red/yellow handle.

GAZ016	16	1	0.450
GAZ025	25	1	0.450
GAZ032	32	1	0.450
GAZ040	40	1	0.450
GAZ063 SA	63	1	0.870
GAZ063 C	63	1	1.220
GAZ080 C	80	1	1.220
GAZ100 C	100	1	1.220
GAZ125	125	1	2.220
GAZ160	160	1	2.220

new

THREE POLE.
With black handle.

GAZ016 B	16	1	0.450
GAZ025 B	25	1	0.450
GAZ032 B	32	1	0.450
GAZ040 B	40	1	0.450
GAZ063 SAB	63	1	0.870
GAZ063 CB	63	1	1.220
GAZ080 CB	80	1	1.220
GAZ100 CB	100	1	1.220
GAZ125 B	125	1	2.220
GAZ160 B	160	1	2.220

new

FOUR POLE.
With red/yellow handle.

GAZ016 T4	16	1	0.550
GAZ032 T4	32	1	0.550
GAZ040 T4	40	1	0.550
GAZ063 SAT4	63	1	0.780
GAZ063 CT4	63	1	1.250
GAZ100 CT4	100	1	1.250
GAZ125 T4	125	1	2.500
GAZ160 T4	160	1	2.500

new

FOUR POLE.
With black handle.

GAZ016 T4B	16	1	0.550
GAZ032 T4B	32	1	0.550
GAZ040 T4B	40	1	0.550
GAZ063 SAT4B	63	1	0.780
GAZ063 CT4B	63	1	1.250
GAZ100 CT4B	100	1	1.250
GAZ125 T4B	125	1	2.500
GAZ160 T4B	160	1	2.500

new

Components Enclosure	Switch disconnector	Handle
GAZ1	GA016 A	GAX61
GAZ1	GA025 A	GAX61
GAZ1	GA032 A	GAX61
GAZ1	GA040 A	GAX61
GAZ2	GA063 SA	GAX61
GAZ2	GA063 A	GAX61
GAZ2	GA080 A	GAX61
GAZ2	GA100 A	GAX61
GAZ3	GA125 A	GAX61
GAZ3	GA160 A	GAX61

GAZ1 B	GA016 A	GAX61 B
GAZ1 B	GA025 A	GAX61 B
GAZ1 B	GA032 A	GAX61 B
GAZ1 B	GA040 A	GAX61 B
GAZ2 B	GA063 SA	GAX61 B
GAZ2 B	GA063 A	GAX61 B
GAZ2 B	GA080 A	GAX61 B
GAZ2 B	GA100 A	GAX61 B
GAZ3 B	GA125 A	GAX61 B
GAZ3 B	GA160 A	GAX61 B

Enclosure	Switch disconnector	4th pole	Handle
GAZ1	GA016 A	GAX42040A	GAX61
GAZ1	GA032 A	GAX42040A	GAX61
GAZ1	GA040 A	GAX42040A	GAX61
GAZ2	GA063 SA	GAX42063SA	GAX61
GAZ2	GA063 A	GAX42063A	GAX61
GAZ2	GA100 A	GAX42100A	GAX61
GAZ3	GA125 A	GAX42125A	GAX61
GAZ3	GA160 A	GAX42160A	GAX61

GAZ1 B	GA016 A	GAX42040A	GAX61 B
GAZ1 B	GA032 A	GAX42040A	GAX61 B
GAZ1 B	GA040 A	GAX42040A	GAX61 B
GAZ2 B	GA063 SA	GAX42063SA	GAX61 B
GAZ2 B	GA063 A	GAX42063A	GAX61 B
GAZ2 B	GA100 A	GAX42100A	GAX61 B
GAZ3 B	GA125 A	GAX42125A	GAX61 B
GAZ3 B	GA160 A	GAX42160A	GAX61 B

Switch disconnectors

GA series 16A to 160A

Enclosed switch disconnectors

UL/CSA Type 4/4X non-metallic enclosure



GAZ016...GAZ040...UL



GAZ063 SA UL



GAZ063 UL - GAZ125 UL

Order code	IEC conventional free air thermal current Ith AC21A (≤690V)	Qty per pkg	Wt
	[A]	n°	[kg]

THREE POLE.
With red/yellow handle.

GAZ016 UL	16	1	0.450
GAZ025 UL	25	1	0.450
GAZ032 UL	32	1	0.450
GAZ040 UL	40	1	0.450
GAZ063 SA UL	63	1	0.870
GAZ063 UL	63	1	1.220
GAZ080 UL	80	1	2.220
GAZ100 UL	100	1	2.220
GAZ125 UL	125	1	2.220

THREE POLE.
With black handle.

GAZ016 B UL	16	1	0.450
GAZ025 B UL	25	1	0.450
GAZ032 B UL	32	1	0.450
GAZ040 B UL	40	1	0.450
GAZ063 SAB UL	63	1	0.870
GAZ063 B UL	63	1	1.220
GAZ080 B UL	80	1	2.220
GAZ100 B UL	100	1	2.220
GAZ125 B UL	125	1	2.220

FOUR POLE.
With red/yellow handle.

GAZ016 T4 UL	16	1	0.550
GAZ032 T4 UL	32	1	0.550
GAZ063 T4 UL	63	1	1.150
GAZ100 T4 UL	100	1	2.500
GAZ125 T4 UL	125	1	2.500

FOUR POLE.
With black handle.

GAZ016 T4B UL	16	1	0.550
GAZ032 T4B UL	32	1	0.550
GAZ063 T4B UL	63	1	1.150
GAZ100 T4B UL	100	1	2.500
GAZ125 T4B UL	125	1	2.500

UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Fuse class - max rating at 600V Type - [A]
	120V	240V	200-208V	240V	480V	600V			
GAZ016...	1	2	5	5	10	10	16	5	RK5 - 20A
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ032...	2	5	10	10	20	20	32	5	RK5 - 35A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ016 - GAZ063S...UL types, according to UL508 and CSA 22.2 n°14.
UL Listed for USA and Canada (cULus - File E93602), as Manual Motor Controllers while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL" and "SUITABLE AS MOTOR DISCONNECT"; GAZ063S... pending.

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC [A]	Short-circuit rating at 600VAC [kA]	Max fuse rating at 600V [A]
	120V	240V	200-208V	240V	480V	600V			
GAZ063C...	3	7½	20	20	40	40	60	10	100
GAZ080...	3	10	25	25	40	40	100	10	100
GAZ100...	5	10	30	30	50	50	100	10	100
GAZ125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GAZ063C - GAZ125... types, according to UL98 and CSA C22.2 n°4.

For indication and reference purposes only while cCSAus is pending.

① Lower ratings in this same UL/CSA category are available on specific request for volume orders.

For information, consult Customer Service; see contact details on inside front cover.

② Voltage value not considered in UL98 / CSA 22.2 n°4 standards.

Components

Enclosure	Switch disconnector	Handle
GAZ1 UL	GA016 A	GAX61
GAZ1 UL	GA025 A	GAX61
GAZ1 UL	GA032 A	GAX61
GAZ1 UL	GA040 A	GAX61
GAZ2 UL	GA063 SA	GAX61
GAZ3 ①	GA063 A	GAX61
GAZ3 ①	GA080 A	GAX61
GAZ3 ①	GA100 A	GAX61
GAZ3 ①	GA125 A	GAX61

GAZ1 B UL	GA016 A	GAX61 B
GAZ1 B UL	GA025 A	GAX61 B
GAZ1 B UL	GA032 A	GAX61 B
GAZ1 B UL	GA040 A	GAX61 B
GAZ2 B UL	GA063 SA	GAX61 B
GAZ3 B ①	GA063 A	GAX61 B
GAZ3 B ①	GA080 A	GAX61 B
GAZ3 B ①	GA100 A	GAX61 B
GAZ3 B ①	GA125 A	GAX61 B

Enclosure	Switch disconnector	4th pole	Handle
GAZ1 UL	GA016 A	GAX42040A	GAX61
GAZ1 UL	GA032 A	GAX42040A	GAX61
GAZ3 ①	GA063 A	GAX42063A	GAX61
GAZ3 ①	GA100 A	GAX42100A	GAX61
GAZ3 ①	GA125 A	GAX42125A	GAX61

GAZ1 B UL	GA016 A	GAX42040A	GAX61 B
GAZ1 B UL	GA032 A	GAX42040A	GAX61 B
GAZ3 B ①	GA063 A	GAX42063A	GAX61 B
GAZ3 B ①	GA100 A	GAX42100A	GAX61 B
GAZ3 B ①	GA125 A	GAX42125A	GAX61 B

① For major details contact our Customer Service office; see contact details on inside front cover.

Switch disconnectors

GA series 16A to 160A

Enclosed changeover switches

UL/CSA Type 4/4X non-metallic enclosure



GAZ 025 E...GAZ 063SA E...



GAZ 080 E...
GAZ 160 E...

Order code	IEC conventional free air thermal current Ith		IEC rated operational current Ie		Qty per pkg	Wt
	AC21A (≤690V)		AC23B (≤400V)	AC23B (≤500V)		
	[A]		[A]	[A]	n°	[kg]

3-pole line changeover switches I-0-II.

GAZ025 ET6	25	25	25	1	1.060
GAZ040 ET6	40	40	25	1	1.060
GAZ063SA ET6	63	45	25	1	1.070
GAZ080 ET6	80	80	63	1	2.950
GAZ125 ET6	125	125	100	1	2.950
GAZ160 ET6	160	125	100	1	2.950

4-pole line changeover switches I-0-II.

GAZ025 ET8	25	25	25	1	1.060
GAZ040 ET8	40	40	25	1	1.060
GAZ063SA ET8	63	45	25	1	1.070
GAZ080 ET8	80	80	63	1	2.950
GAZ125 ET8	125	125	100	1	2.950
GAZ160 ET8	160	125	100	1	2.950

Components

Enclosure	Switch disconnectors	Interlock	Handle
GAZ UL ❶	2x GA025A	GAX5000	GAX67 B
GAZ UL ❶	2x GA040A	GAX5000	GAX67 B
GAZ UL ❶	2x GA063SA	GAX5000	GAX67 B
GAZ3 ❶	2x GA080A	GAX5001	GAX67 B
GAZ3 ❶	2x GA125A	GAX5001	GAX67 B
GAZ3 ❶	2x GA160A	GAX5001	GAX67 B
Enclosure	Switch disconnectors	Interlock	Handle
GAZ UL ❶	2x GA025A + 2x GAX42040A	GAX5000	GAX67 B
GAZ UL ❶	2x GA040A+ 2x GAX42040A	GAX5000	GAX67 B
GAZ UL ❶	2x GA063SA+ 2x GAX42063SA	GAX5000	GAX67 B
GAZ3 ❶	2x GA080A+ 2x GAX42080A	GAX5001	GAX67 B
GAZ3 ❶	2x GA125A+ 2x GAX42125A	GAX5001	GAX67 B
GAZ3 ❶	2x GA160A+ 2x GAX42160A	GAX5001	GAX67 B

❶ For major details contact our Customer Service office; see contact details on inside front cover.

General characteristics

- Enclosure material: Polycarbonate
- Possibility of fitting:
 - 2 contact blocks both on the right and left side for GAZ...ET6 types
 - 1 contact block both on the right and left side for GAZ...ET8 types
- Padlockable handle complete with extension
- Earth and neutral plate terminals
- Sealable enclosure cover
- Tightening torque for cover screws: 1.5Nm/13lbin
- Degree of protection: IP65; UL/CSA type 4/4X
- Cable entry:
 - GAZ025...GAZ063SA... types: PG16/M25 and PG29/M32 knockouts
 - GAZ080... and GAZ160... types: Smooth surfaces; can be drilled by customer.

Certifications and compliance

Certifications obtained: cULus (except GAZ160E...), EAC. Compliant with standards: IEC/EN 60947-3, IEC/EN 60947-1, UL 508 and CSA C22.2 no. 14 (up to GAZ063SA...), UL98A and CSA C22.2 no. 4 (for all others except GAZ160E...).

UL/CSA ratings

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Fuse class - max rating at 600V
	120V	240V	200-208V	240V	480V	600V			
GAZ025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GAZ040...	2	5	10	15	20	25	40	5	RK5 - 45A
GAZ063S...	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above ratings are valid for GAZ025-GAZ040ET... types, according to UL508 and CSA 22.2 n°14. For indication and references purposes only while cCSAus is pending.

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Max fuse rating at 600V
	120V	240V	200-208V❶	240V	480V	600V			
GA080...	3	10	25	25	40	40	100	10	100
GA125...	7½	10	30	30	60	60	100	10	100

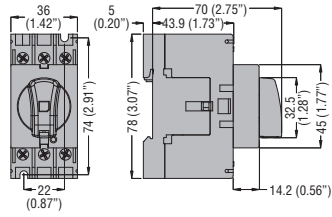
NOTE: Above ratings are valid for GAZ080-GAZ125ET... types, according to UL98 and CSA C22.2 n°4. For indication and references purposes only while cCSAus is pending.

❶ Voltage value not considered in UL98 / CSA 22.2 n°4 standards so not indicated in UL product marking.

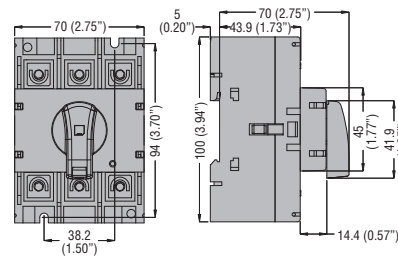
GA SERIES - 16A TO 160A SWITCH DISCONNECTORS

Direct operating version

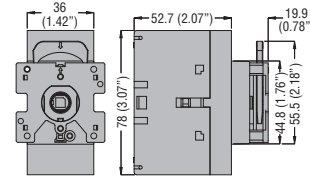
GA016 A...GA040 A
GA063 SA
GA040 D



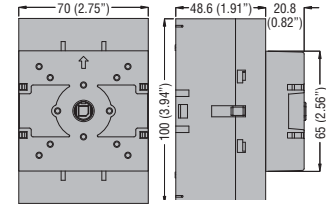
GA063 A...GA160 A



Door mount version
GA016 C...GA040 C



GA063 C...GA125 C

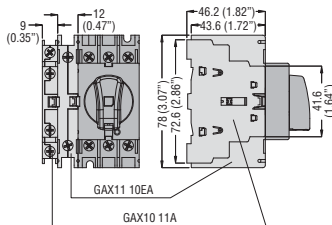


ADD-ON BLOCKS AND ACCESSORIES

For GA016 A...GA040 A, GA063 SA, GA040 D

Auxiliary contacts

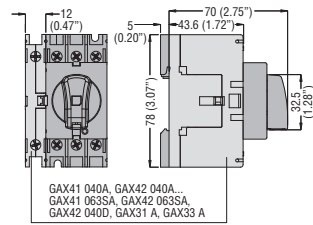
GAX10 11A
GAX11 10EA



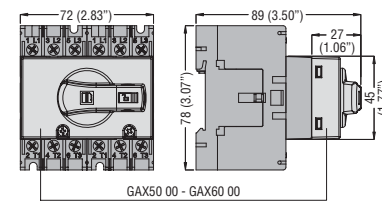
Fourth pole

GAX41 040A - GAX42 040A
GAX41 063SA - GAX42 063SA
GAX42 040D

Neutral **GAX31 A** - earth/ground **GAX33 A** terminals



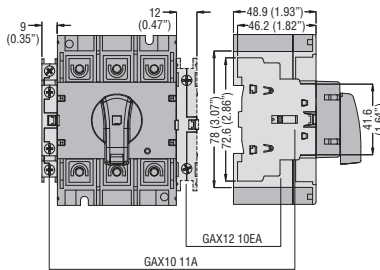
Mechanical interlock **GAX50 00** and mechanical coupling system **GAX60 00**



For GA063 A...GA160 A

Auxiliary contacts

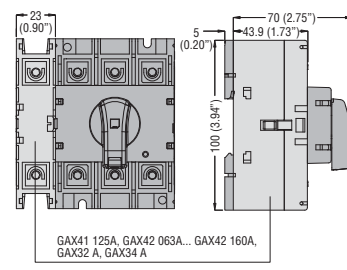
GAX10 11A
GAX12 10EA



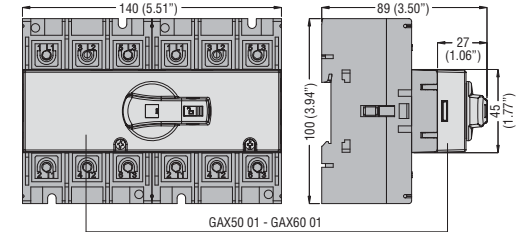
Fourth pole

GAX41 125A
GAX42 063A...GAX42 160A

Neutral **GAX32 A** - earth/ground **GAX34 A** terminals

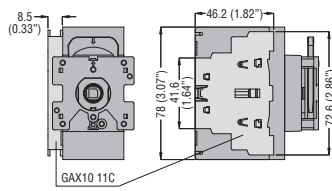


Mechanical interlock **GAX50 01** and mechanical coupling system **GAX60 01**



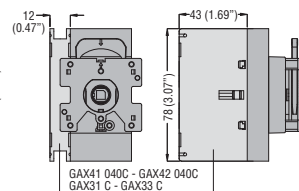
For GA016 C...GA040 C

Auxiliary contacts **GAX10 11C**



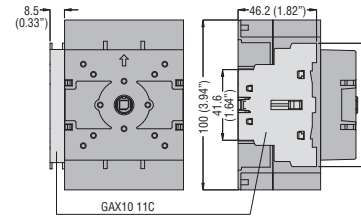
Fourth pole **GAX41 040C - GAX42 040C**

Neutral **GAX31 C** - earth/ground **GAX33 C** terminals



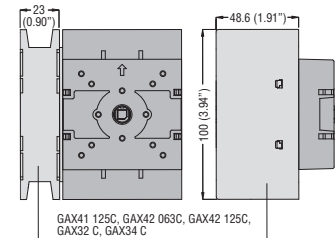
For GA063 C...GA125 C

Auxiliary contacts **GAX10 11C**



Fourth pole **GAX41 125C - GAX42 063C...GAX42 125C**

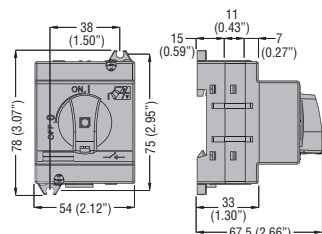
Neutral **GAX32 C** - earth/ground **GAX34 C** terminals



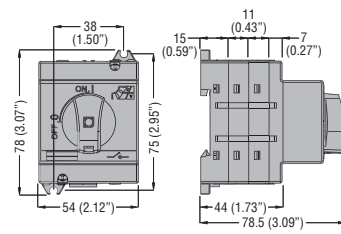
GD SERIES SWITCH DISCONNECTORS

Direct operating version

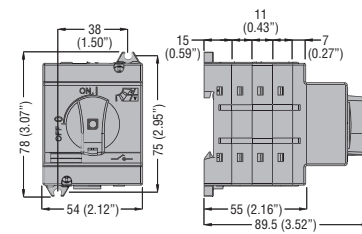
GD025 AT2



GD032 AT3

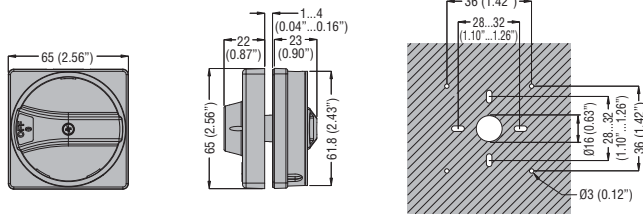


GD040 AT4

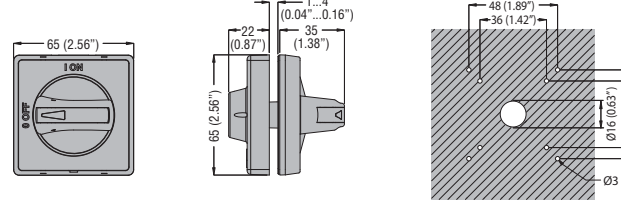


Handles

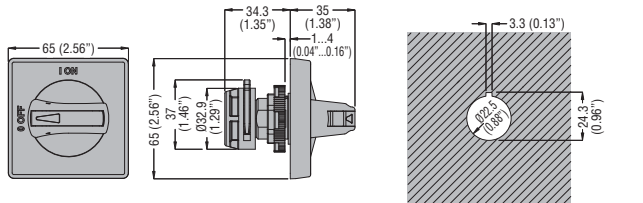
GAX61/61B



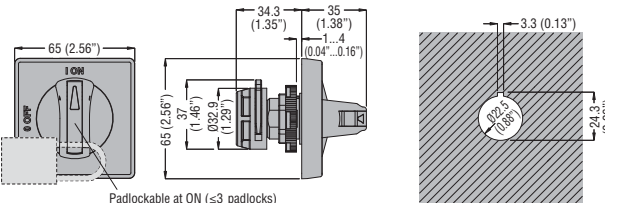
GAX62/62B



GAX63/63B

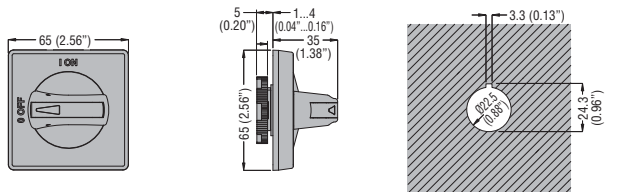


GAX63 1B

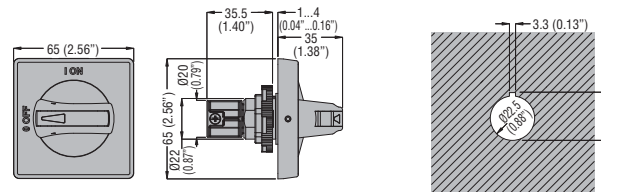


Padlockable at ON (≤3 padlocks)
per UNI 9490, UNI/EN 12485

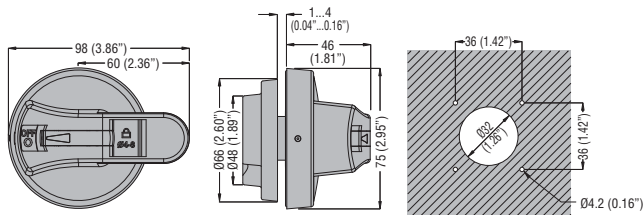
GAX63 2/2B



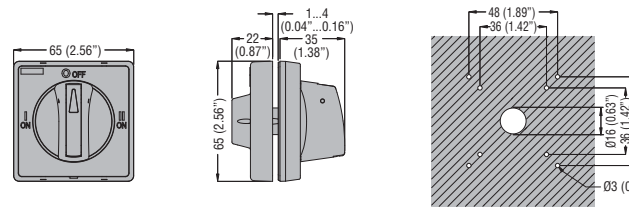
GAX64/64B



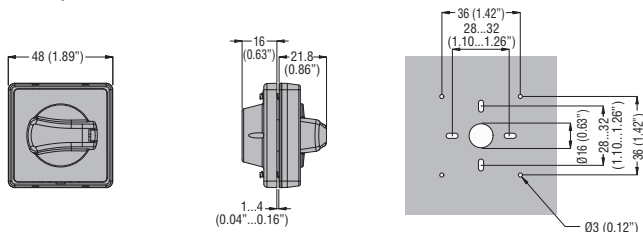
GAX66/66B



GAX67 B

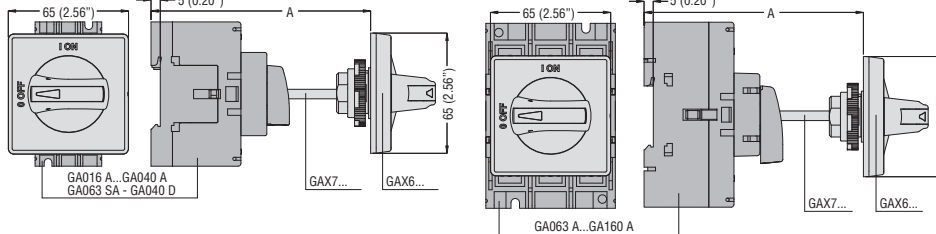


GAX68/68B



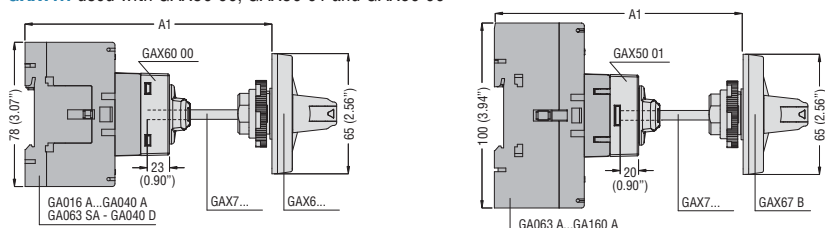
Shaft extensions for door coupling handles

GAX7...



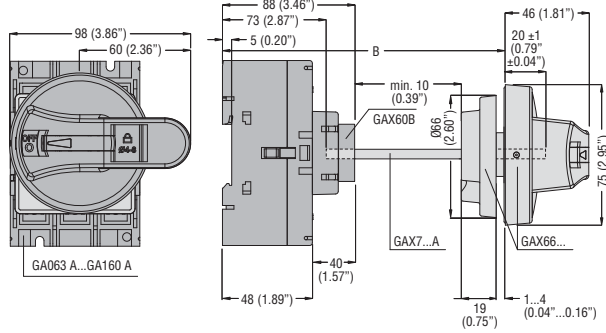
Extension	Length [mm (in)]	A [mm (in)] maximum					
		Type of handle					
		GAX61...	GAX62...	GAX63...	GAX64...	GAX67 B	GAX68...
GAX7055	55 (2.16")	99 (3.90")	97 (3.82")	102 (4.01")	116 (4.57")	97 (3.82")	98.5 (3.88")
GAX7070	70 (2.75")	114 (4.49")	112 (4.41")	117 (4.61")	131 (5.16")	112 (4.41")	113.5 (4.47")
GAX7090	90 (3.54")	134 (5.27")	132 (5.20")	137 (5.39")	151 (5.94")	132 (5.20")	133.5 (5.25")
GAX7150	150 (5.90")	194 (7.64")	192 (7.56")	197 (7.75")	211 (8.31")	192 (7.56")	193.5 (7.62")
GAX7200	200 (7.87")	244 (9.61")	242 (9.53")	247 (9.72")	261 (10.27")	242 (9.53")	243.5 (9.59")
GAX7300	300 (11.81")	344 (13.54")	342 (13.46")	347 (13.66")	361 (14.21")	342 (13.46")	343.5 (13.52")
GAX7400	400 (15.75")	444 (17.48")	442 (17.40")	447 (17.60")	461 (18.15")	442 (17.40")	443.5 (17.46")
GAX7500	500 (19.68")	544 (21.42")	542 (21.34")	547 (21.53")	561 (22.09")	542 (21.34")	543.5 (21.40")

GAX7... used with GAX50 00, GAX50 01 and GAX60 00

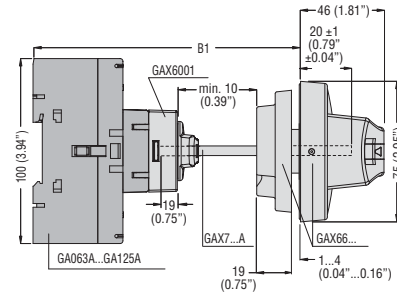


Extension	Length [mm (in)]	A1 [mm (in)] maximum					
		Used with GAX60 00		Used with GAX50 00/GAX50 01			
		GAX61...	GAX62...	GAX63...	GAX64...	GAX68...	GAX67 B
GAX7055	55 (2.16")	116 (4.57")	114 (4.49")	119 (4.68")	133 (5.24")	115.5 (4.55")	114 (4.49")
GAX7070	70 (2.75")	131 (5.16")	129 (5.08")	134 (5.27")	148 (5.83")	130.5 (5.14")	129 (5.08")
GAX7090	90 (3.54")	151 (5.94")	149 (5.87")	154 (6.06")	168 (6.61")	150.5 (5.92")	149 (5.87")
GAX7150	150 (5.90")	211 (8.31")	209 (8.23")	214 (8.42")	228 (8.98")	210.5 (8.29")	209 (8.23")
GAX7200	200 (7.87")	261 (10.27")	259 (10.20")	264 (10.39")	278 (10.94")	260.5 (10.25")	259 (10.20")
GAX7300	300 (11.81")	361 (14.21")	359 (14.13")	364 (14.33")	378 (14.88")	360.5 (14.20")	359 (14.13")
GAX7400	400 (15.75")	461 (18.15")	459 (18.07")	464 (18.27")	468 (18.42")	460.5 (18.13")	459 (18.07")
GAX7500	500 (19.68")	561 (22.09")	559 (22.01")	564 (22.20")	578 (22.75")	560.5 (22.07")	559 (22.01")

GAX7...A used with GAX60 B and GAX66/66B



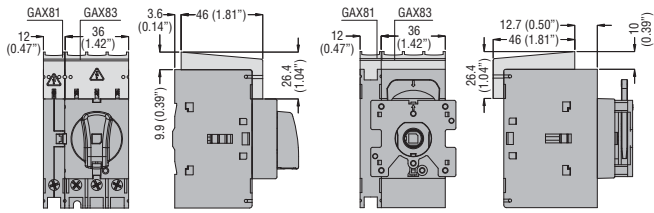
GAX7...A used with GAX60 01 and GAX66/66B



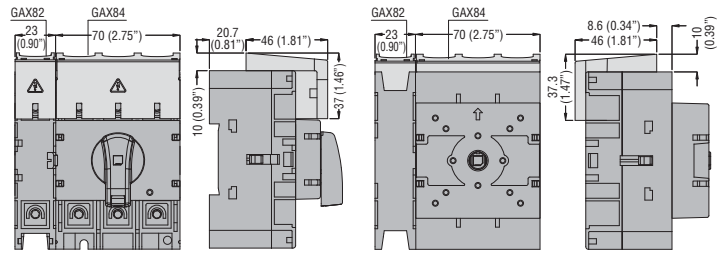
Extension	Length [mm(in)]	B		B1 [mm(in)]
		with GAX66/66B handle		
GAX7150A	176 (6.93")	118...229 (4.64"...9.01")	119...205 (4.68"...8.07")	
GAX7200A	226 (8.90")	118...279 (4.64"...10.99")	119...255 (4.68"...10.03")	
GAX7300A	326 (12.83")	118...379 (4.64"...14.92")	119...355 (4.68"...13.98")	

Terminal covers

GAX81 - GAX83

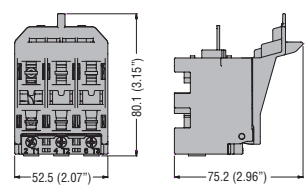


GAX82 - GAX84



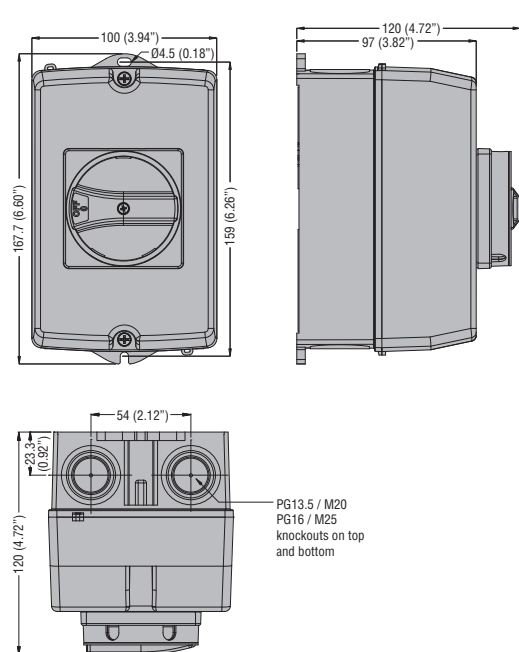
Fuse holder

GAX39 1 - GAX39 1UL

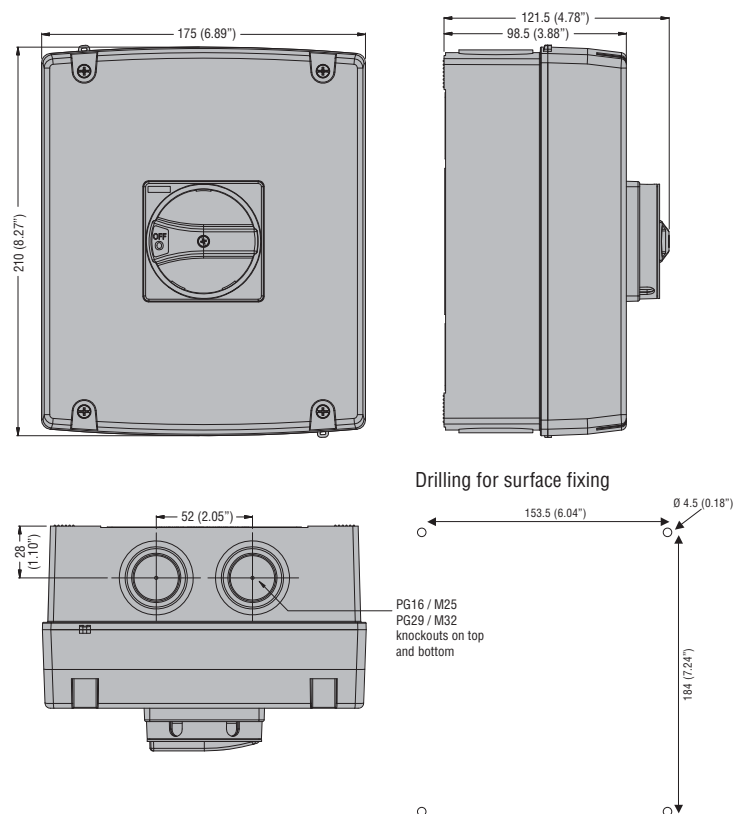


ENCLOSED SWITCH DISCONNECTORS AND EMPTY ENCLOSURES

- GAZ016...GAZ040...
- GAZ016...GAZ040...UL
- GAZ1... - GAZ1...UL
- GAZ025D...



- GAZ063 SA...GAZ100 C...
- GAZ063 SAUL...
- GAZ2... - GAZ2...UL

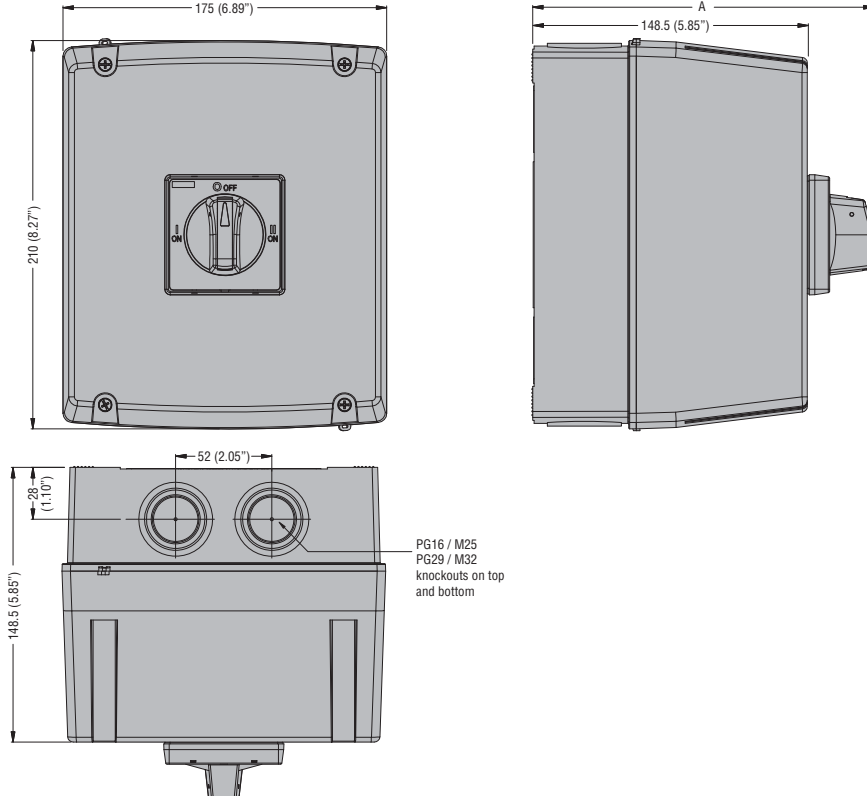


Drilling for surface fixing

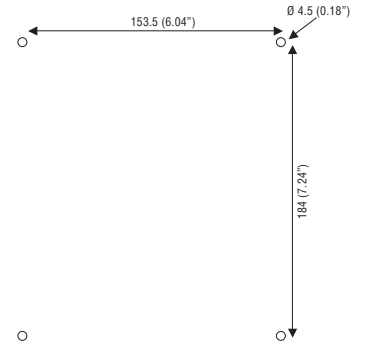
Switch disconnectors

Dimensions [mm (in)]

GAZ025 ET6...GAZ063 SAET6 - GAZ025 ET8...GAZ063 SAET8- GAZ032 D... - GAZ040 D...

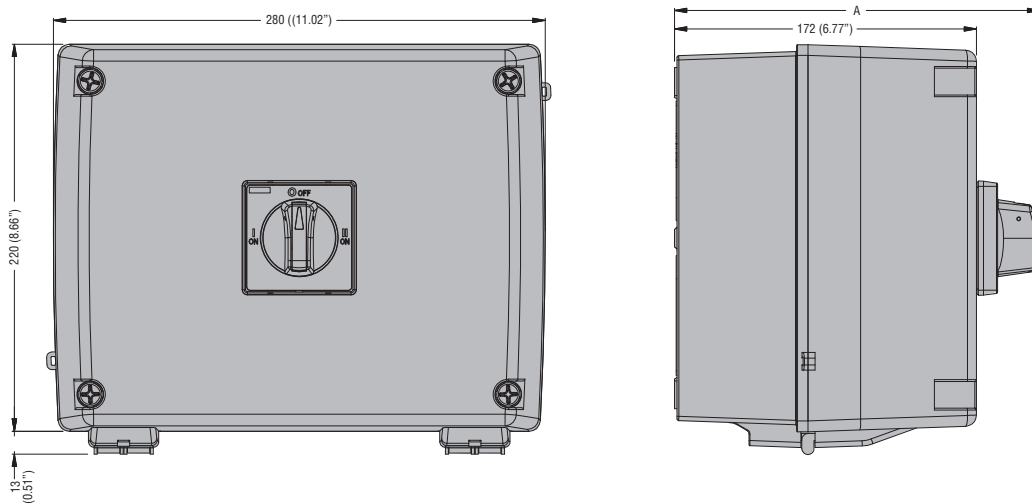


Drilling



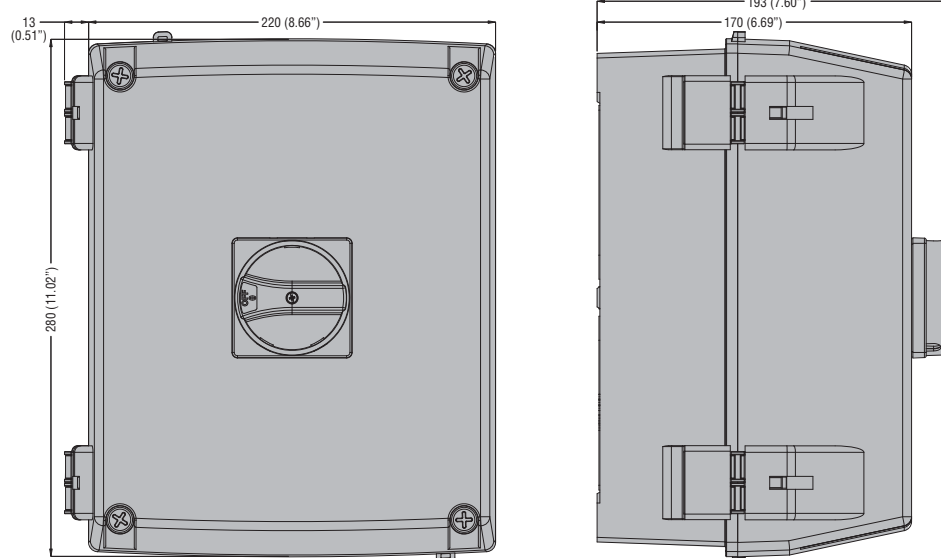
Type	A
GAZ032 D...	171.5 (6.75")
GAZ040 D...	171.5 (6.75")
GAZ025 ET...	183.5 (7.22")
GAZ063 SAET...	183.5 (7.22")

GAZ125... - GAZ063...UL - GAZ125...UL - GAZ3... - GAZ080 ET6 - GAZ125 ET6 - GAZ160 ET6 - GAZ080 ET8 - GAZ125 ET8 - GAZ160 ET8



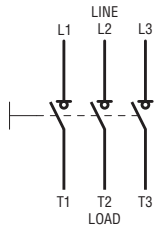
Type	A
GAZ125	193 (7.60")
GAZ063...UL	193 (7.60")
GAZ125...UL	193 (7.60")
GAZ3...	193 (7.60")
GAZ080 ET6	208 (8.19")
GAZ125 ET6	208 (8.19")
GAZ160 ET6	208 (8.19")
GAZ080 ET8	208 (8.19")
GAZ125 ET8	208 (8.19")
GAZ160 ET8	208 (8.19")

GAZ125... - GAZ160... - GAZ080 UL...GAZ125...UL - GAZ3...



OPEN AND ENCLOSED GA SERIES 16A TO 160A SWITCH DISCONNECTORS

Three-pole disconnectors
GA016...GA160A/C
GAZ016...GAZ160/B
GAZ016UL...GAZ125UL



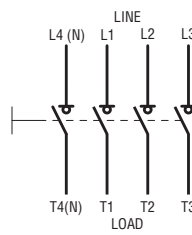
Fourth pole
GAX42...



GAX41...

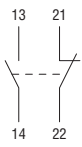


Four-pole disconnectors
GAZ016 T4...GAZ160 T4
GAZ016 T4UL...GAZ125 T4UL



ADD-ON BLOCKS AND ACCESSORIES

Auxiliary contacts
GAX10...



GAX11... - GAX12...



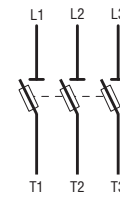
Neutral terminal
GAX31... - GAX32...



Earth/Ground terminal
GAX33... - GAX34...

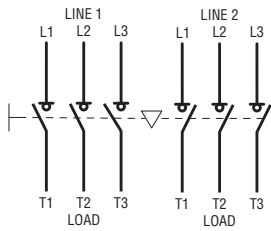


Fuse holder
GAX39 1

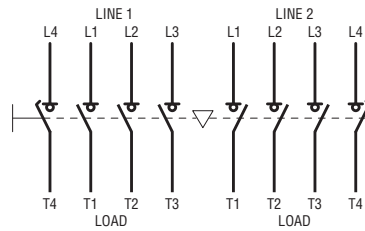


ENCLOSED CHANGEOVER SWITCHES

Three-pole **GAZ...ET6**



Four-pole **GAZ...ET8**



Switch disconnectors

Technical characteristics

GA series 16A to 160A

TYPE	Three pole	GA016...	GA025...	GA032...	GA040...	GA063 SA	GA063...	GA080...	GA100...	GA125...	GA160A	
	4th pole	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 063SA	GAX42 063...	GAX42 080...	GAX42 100...	GAX42 125...	GAX42 160A	
CONTACT CHARACTERISTICS												
IEC conventional free air thermal current I _{th} (≤40°C)	A	16	25	32	40	63	63	80	100	125	160	
IEC rated insulation voltage U _i	V	1000										
IEC rated impulse withstand voltage U _{imp}	kV	8										
IEC rated operational current I _e												
AC21A	400V	A	16	25	32	40	63	63	80	100	125	160
	500V	A	16	25	32	40	63	63	80	100	125	160
	690V	A	16	25	32	40	63	63	80	100	125	160
AC22A	400V	A	16	25	32	40	45	63	80	100	125	125
	500V	A	16	25	32	40	45	63	80	100	125	125
	690V	A	16	25	32	40	45	63	80	100	125	125
AC23A	400V	A	16	25	32	40	45	63	80	100	125	125
	500V	A	16	25	25	25	25	63	63	80	100	100
	690V	A	16	25	25	25	25	47	47	47	47	47
Power dissipation	W/pole	0.2	0.4	0.6	1.0	2.9	1.6	2.6	4.0	6.3	12	
IEC rated operational power												
AC23A	400V	kW	7.5	11	15	18.5	22	30	45	55	55	55
	690V	kW	11	22	22	22	22	45	45	45	45	45
IEC reactive power for control of capacitors 400V	kvar	7.5	10	12.5	15	15	25	30	40	50	50	
Short circuit protection												
Rated short-time current (1s) I _{cs}	A rms	800					2500					
Conditional short-circuit current	kA rms	50										
With fuse class gG	A	16	25	32	40	63	63	80	100	125	160	
Making capacity AC23A 400V	A	400				450		1250				
Breaking capacity AC23A 400V	A	320				360		1000				
Mechanical life	cycles	100,000				100,000		30,000				
Electrical life (AC21A)	cycles	100,000				15,000		30,000			1,500	
Terminals	type	Pillar terminal										
	A mm	5.6					12.4					
	B mm	6.5					10.4					
	Screw	M4					M8					
	Tool	Phillips 2					Metric Allen key 4					
Tightening torque	Nm	1.8...2					5...6					
	lbin	16...18					45...54					
Conductor section min...max	mm ²	0.75...16					4...70					
	AWG	18...6					12...1					
AMBIENT CONDITIONS												
Temperature	Operating	°C	-25...+55									
	Storage	°C	-40...+70									
Maximum altitude	m	3000										
Mounting position	Normal	Vertical										
	Admissible	Any										
Fixing	By screw or on 35mm DIN rail (IEC/EN 60715)											



Switch disconnectors

Technical characteristics

GA and GD series for photovoltaic applications

TYPE	Three-pole	GA040 D	GD025 AT2	GD032 AT3	GD040 AT4	
	4th-pole	GAX42 040 D	—	—	—	
CONTACT CHARACTERISTICS						
IEC conventional free air thermal current I _{th} (≤40°C)	A	40	25	32	40	
IEC rated insulation voltage U _i	V	1000	1000 / 1500 ^①			
IEC rated impulse withstand U _{imp}	kV	8				
IEC rated operational current I _e DC21B						
2 poles in series	300V	A	16	25	32	40
3 poles in series	48V	A	40	25	32	40
	110V	A	35	25	32	40
	220V	A	32	25	32	40
	500V	A	12	25	32	40
4 poles in series	400V	A	35	25	32	40
	440V	A	32	25	32	40
	500V	A	32	25	32	40
	600V	A	20	25	32	40
	700V	A	15	25	32	40
	750V	A	15	25	32	40
	800V	A	15	25	32	40
	1000V	A	—	16	32	40
1200V	A	—	—	—	32	
Power dissipation		1	1.2	2.8	5.8	
Mechanical life	cycles	100,000	10,000			
Terminals	type	Mantle	Screw with washer			
	A mm	5,6	—			
	B mm	6,5	—			
	Screw	M4	—			
	Tool	Phillips 2	Phillips 1			
Tightening torque	Nm	1.8...2	1.2...1.6			
	lbin	16...18	10...14			
Conductor section min.-max.	mm ²	0.75...16	1...10			
	AWG	18...6	18...8			
AMBIENT CONDITIONS						
Temperature	Operating	°C	-25...+55			
	Storage	°C	-40...+70			
Maximum altitude	m	3.000	2.000			
Mounting position	Normal		Vertical			
	Admissible		Any			
Fixing		Screw or 35mm DIN rail (IEC/EN 60715)				

① 1000V pollution degree 3; 1500V pollution degree 2.

