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SWITCH DISCONNECTORS 16A TO 125A (AC21A)

- Switch disconnectors with direct operating handle and door coupling version
- Switch disconnectors with front door mount
- Switch disconnectors in IEC IP65 / UL Type 4X enclosure.



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SWITCH DISCONNECTORS 50A TO 1600A (AC21A)

- Three and four-pole switch disconnectors
- Three and four-pole switch disconnectors with NFC, NH and BS type fuse holders
- Three and four-pole changeover switches; add-on motorised control unit available.



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FOR PHOTOVOLTAIC APPLICATIONS UP TO 850A 1000VDC (DC21B)

- Switch disconnectors, three and four poles
- Direct operating and door coupling versions
- Serial connection of 2, 3, 4, 6 and 8 poles.



- 16A to 1600A ratings
- Versions: direct operating handle, door coupling and in housing
- Wide range of accessories
- Types for photovoltaic applications up to 1250A.

GA series 16A to 125A

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GE series 50A to 1600A

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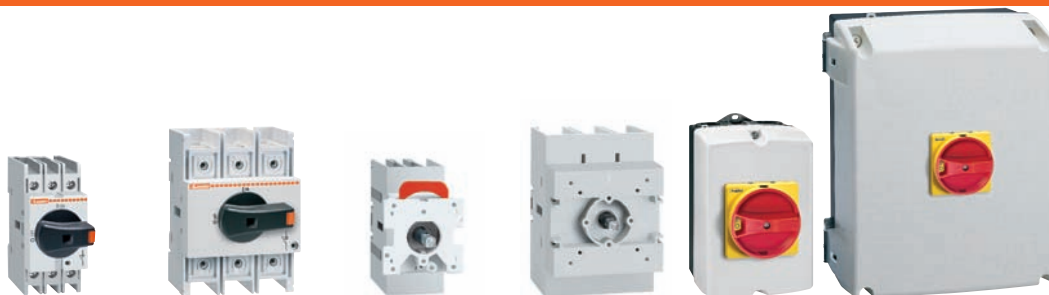
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GA series 16A to 125A



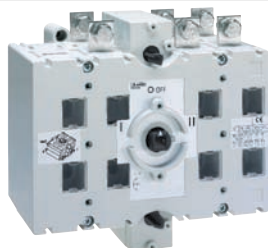
IEC AC21A	DIRECT OPERATING HANDLE AND DOOR COUPLING VERSION										DOOR MOUNT VERSION								VERSION IN HOUSING							
	36mm width					70mm width					36mm width				70mm width				100mm width				220mm width			
	16A	25A	32A	40A	63A	63A	80A	100A	125A	16A	25A	32A	40A	63A	80A	100A	125A	16A	25A	32A	40A	63A	80A	100A	125A	
Three pole	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
4th pole - simultaneous closing	●					●	●	●	●	●				●	●	●	●	●	●		●		●		●	
4th pole - early-make closing	●					●	●				●				●				●				●			
Three-pole for photovoltaic applications				●			●		●																	
Fuse holder	●																									
Handle recessed selector, screw fixing	●					●					●				●				●				●			
protruding selector, screw fixing	●					●					●				●											
protruding selector, ring fixing	●					●					●															
protruding selector with release, defeatable, ring fixing	●					●																				
protruding selector low-profile, ring fixing	●					●																				
pistol grip with release, defeatable, screw fixing						●																				
Mechanical 6-8 pole coupling system	●					●																				
Mechanical interlock for line switching	●					●																				

GE series 50A to 1600A



IEC AC21A	DIRECT OPERATING AND DOOR COUPLING VERSION												
	50A	125A	160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A
Three and four pole			●	●	●	●	●	●	●	●	●	●	●
Three and four pole with NFC fuse holder	●	●											
Three and four pole with NH fuse holder			●		●		●		●	●			
Three and four pole with BS fuse holder			●	●	●	●	●		●	●			
Four-pole for photovoltaic applications		●	●		●	●			●	●		●	

Changeover switches 160A to 1600A



IEC AC21A	DIRECT OPERATING AND DOOR COUPLING VERSION										
	160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A
Three and four pole	●	●	●	●	●	●	●	●	●	●	●
Motorised control unit			●				●			●	

VERSATILITY!

COMPACT SIZE

The three-pole 16A to 63A switch disconnectors, are made up of a single unit body, merely 36mm/1.4in wide, while the 63A to 125A ratings, of another body size of only 70mm/2.8in wide.

ACCESSORY FLEXIBILITY

Mounting and removal of the fourth pole and add-on blocks are simple and quick operations with no need of tools.



VERSION FOR PHOTOVOLTAIC APPLICATIONS

The GA...D 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

All GA series switch disconnectors are certified by GOST, KEMA and UL Listed for Canada and USA. The 16A to 63A types are certified according to UL508/CSA 22.2 n° 14 while the 63A to 125A types to UL98/CSA 22.2 n° 4 standards.



SIDE MOUNT ADD-ON FOURTH POLE

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



ADD-ON AUXILIARY CONTACTS

One only add-on block suitable for all the 8 ratings of switch disconnectors, having simultaneous operation with the switch poles. There are versions with an early-break NO contact.

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.



9mm/0.35in

6 AND 8 POLE VERSION

A mechanical coupling system is available for the 16A to 125A switch disconnectors with direct operating handle to provide 6/8 pole disconnectors along with a mechanical interlock mechanism for the line changeover function (I - O - II).



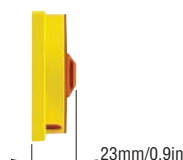
FUSE HOLDERS



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. UL Listed type up to 25A class CC fuses.

REDUCED HANDLE THICKNESS

GAX61 and GAX 61 B handles are only 23mm/0.9in thick.



23mm/0.9in

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... is snapped on to the door-mount switch disconnectors in 16A to 40A ratings, with no need of tools.



HANDLE ADAPABILITY

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 other holes.



DEFEATABLE UL508A HANDLE VERSION

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



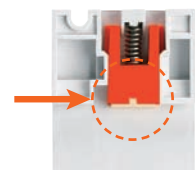
SWITCH STATUS INDICATION

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

DIN RAIL FIXING

The fixing on and removal of the switch disconnector from the 35mm (IEC/EN 60715) DIN rail are done, by only pressing downwards, without tools.

PAD INSERT FOR NO DIN RAIL SLIDING



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 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...
GA125 A

new



GA016 C...
GA040 C



GA063 C...
GA125 C

Order code	IEC conventional free air thermal current I _{th} AC21A (≤690V)	IEC rated operational current I _e AC22A (≤690V) AC23A (≤415V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]

Direct operating version, complete with black handle.
For door-coupling version, separately order the handle and shaft extension; refer to pages 11-9 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

Door-mount version, complete with shaft;
separately order the handle, refer to pages 11-10.

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

Strokes of GA switch poles

	Travel 0 → 1	0°	30°	60°	90°
GA016 A...GA040 A - GA063SA				60°	
GA016 C...GA040 C				60°	
GA063 A...GA125 A				55°	
GA063 C...GA125 C				55°	
	OFF				ON

General characteristics

- 16A to 125A ratings
- Available versions:
 - direct operating
 - door mount
 - door coupling version. Use switch disconnector with direct operating handle and separately order the handle and shaft extension for this version. See pages 11-9 and 11-10
- Compact and modular size
- Screw or 35mm DIN (IEC/EN 60715) rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i: 1000V
- IEC rated impulse withstand U_{imp}: 8kV
- Electrical life in IEC AC21A:
 - 100,000 cycles for GA016-GA040
 - 15,000 cycles for GA063 SA
 - 30,000 cycles for GA063-GA125
- Mechanical life:
 - 100,000 cycles for GA016-GA040-GA063 SA
 - 30,000 cycles for GA063-GA125.

Certifications and compliance

Certifications obtained:

Type	GOST	KEMA	cULus per UL508 / CSA C22.2 n°14 UL Listed (File E93602)	cULus per UL98 / CSA C22.2 n°4 UL Listed (File E328470)
GA016 A...GA040 A	●	●	●	—
GA063 SA	●	—	●	—
GA016 C...GA040 C	●	●	●	—
GA063 A...GA125 A	●	●	—	●
GA063 C...GA125 C	●	▲	—	●

● Certification obtained; ▲ certification pending.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, UL508, UL98, CSA C22.2.

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	[A]	[kA]	
GA016...	1	2	5	5	10	10	16	5	RK5 - 20A
GA025...	1½	3	7½	7½	15	20	25	5	RK5 - 30A
GA032...	2	5	10	10	20	20	32	5	RK5 - 35A
GA040...	2	5	10	15	20	25	40	5	RK5 - 45A
GA063 SA	2	7½	10	15	30	30	60	5	RK5 - 45A

NOTE: Above GA...A, GA...C and GA...D (on page 11-22) types, according to UL508 and CSA 22.2 n°14.
UL Listed, for USA and Canada (File E93602), as Manual Motor Controllers while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL" and "SUITABLE AS MOTOR DISCONNECT".

Type	1 phase [HP]		3 phase [HP]				General use at 600VAC	Short-circuit rating at 600VAC	Max fuse rating at 600V
	120V	240V	200-208V	240V	480V	600V	[A]	[kA]	[A]
GA063...①	3	7½	20	20	40	40	60	10	100
GA080...	3	10	25	25	40	40	100	10	100
GA100...	5	10	30	30	50	50	100	10	100
GA125...	7½	10	30	30	60	60	100	10	100

NOTE: Above ratings are valid for GA...A, GA...C and GA...D (on page 11-22) types, according to UL98 and CSA 22.2 N°4.
UL Listed, for USA and Canada (File E328470), as Open Type Switches - Open type unfused switch while UL designation is "GENERAL PURPOSE SWITCH. INTERRUPTEUR USAGE GENERAL".

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 so not indicated in UL product marking.

Fourth pole add on



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



GAX42 040C
GAX41 040C

Order code	IEC conventional free air thermal current I _{th} AC21A ^① (≤690V)	IEC rated operational current I _e ^② AC22A (≤690V) AC23A (≤415V)	Qty per pkg	Wt
	[A]	[A]	n°	[kg]

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

new

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

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 poles.
For GA...A version.

new

GAX41 040A ^①	40	40	1	0.046
GAX41 063SA ^②	63	45	1	0.046
GAX41 125A ^④	125	125	1	0.116

For GA...C version.

GAX41 040C ^③	40	40	1	0.046
GAX41 125C ^⑤	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 See page 11-4 for UL/CSA ratings which are the same as the corresponding switch types.

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

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

General characteristics

- 16A to 125A ratings
- Available version for:
 - direct operating
 - door mount
 - simultaneous closing with switch poles
 - early-make closing respect with switch poles
- Compact and modular size.

Operational characteristics

- IEC rated insulation voltage U_i: 1000V
- IEC rated impulse withstand U_{imp}: 8kV
- Electrical life in IEC AC21A:
 - 100,000 cycles for GAX42 040A/C and GAX41 040A/C
 - 15,000 cycles for GAX42 063SA and GAX41 063SA
 - 30,000 cycles for GAX42 063A/C and GAX41 125A/C
- Mechanical life:
 - 100,000 cycles for GAX42 040A/C and GAX41 040A/C, GAX42 063SA and GAX41 063SA
 - 30,000 cycles for GAX42 063A/C - GAX42 125A/C and GAX41 125A/C.

Certifications and compliance

Certifications obtained:

Type	GOST	cULus per UL508 / CSA C22.2 n°14 UL Listed (File E93602)	cULus per UL98 / CSA C22.2 n°4 UL Listed (File E328470)
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 60947-1, IEC/EN 60947-3, UL508, UL98, CSA C22.2.

Maximum combination

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	—		1	—	2	1	1
1	1	2	—	—		—	1	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 GAX42 040D can be used only with GA040 D switch.

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	—		—	—	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	1	—	—	—		—	—	—	1	1

GA063 A...GA125 A
GA080 D, GA125 D

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

② GAX42 080D can be used only with GA080 D switch.

③ GAX42 125D can be used only with GA125 D switch.

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

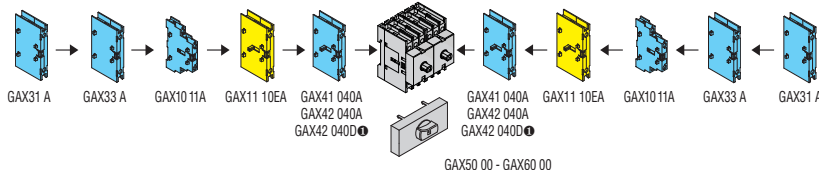
1	1	1	1	GA016 C GA025 C GA032 C GA040 C	—	1	1	1
1	1	1	—		1	1	1	1
1	1	—	1		—	1	1	1
1	1	1	—		—	1	1	1
1	1	—	—		—	—	1	1

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	—

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

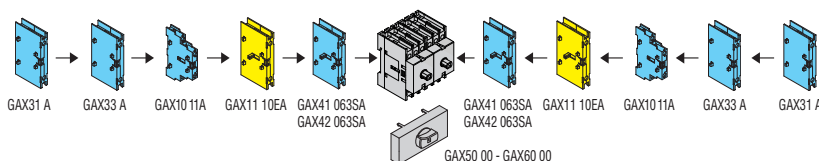
Sequence and maximum combination for mechanical coupling and mechanical interlock for line changeover



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

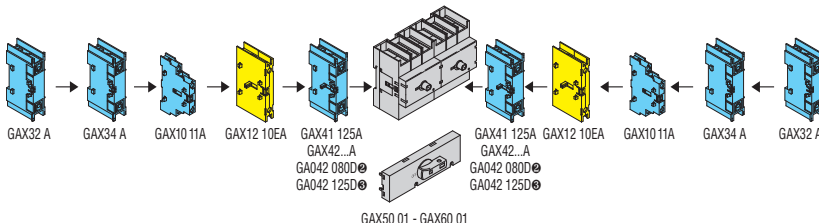
① GAX42 040D can be used only with GA040 D switch.

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...GA125 A GA080 D, GA125 D + GAX50 01 - GAX60 01



—	—	1	—	1	GA063 A + GA063 A GA080 A + GA080 A GA100 A + GA100 A GA125 A + GA125 A GA080 D + GA080 D ② GA125 D + GA125 D ③	1	—	1	—	—
—	—	1	—	1		—	—	2	—	—
—	—	2	—	—		1	—	1	—	—
—	—	1	—	1		—	1	1	—	—
—	—	1	1	—		1	—	1	—	—
—	—	2	—	—		—	—	2	—	—
—	—	2	—	—		—	1	1	—	—
—	—	—	—	—		—	—	2	—	—
1	1	—	—	1		1	—	—	1	1
1	1	—	—	—		—	—	—	1	1

② GAX42 080D can be used only with GA080 D switch.

③ GAX42 125D can be used only with GA125 D switch.

Add-on blocks and accessories



GAX11 10EA
GAX12 10EA



GAX3...A GAX3...C



GAX50...
GAX60...

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts, simultaneous operation as switch poles.			
GAX10 11A	1NO+1NC for GA...A, GA063 SA and GA...D	1	0.030
GAX10 11C	1NO+1NC for GA...C	1	0.030
Auxiliary contacts, early-break operation with respect to switch poles.			
GAX11 10EA	1EB (NO) for GA016 A-GA040 A, GA063 SA and GA040 D	1	0.035
GAX12 10EA	1EB (NO) for GA063 A-GA125 A, GA080 D and GA125 D	1	0.035
Neutral terminal.			
GAX31 A	For GA016 A-GA040 A, GA063 SA and GA040D	1	0.040
GAX32 A	For GA063 A-GA125 A and GA080 D - GA125 D	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-GA125 A and GA080 D - GA125 D	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, GA...D and GAX67 B; □ 5mm/0.2in ❶	1	0.050
GAX50 01	For GA063 A-GA125 A, GA080 D GA125 D and GAX67 B; □ 5mm/0.2in ❶	1	0.075
Mechanical coupling system for 6-8 pole switch disconnectors.			
GAX60 00	For GA016 A-GA040 A, GA063 SA and GA...D; □ 5mm/0.2in ❶	1	0.050
GAX60 01	For GA063 A-GA125 A, GA080 D, GA125 D; □ 7mm/0.3in ❷	1	0.075

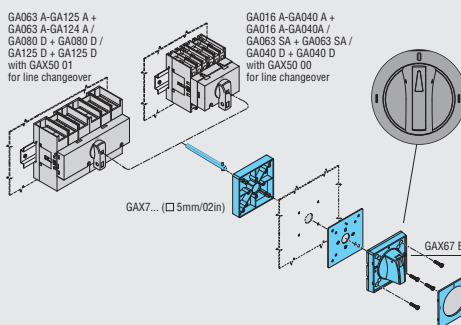
❶ Use GAX7... shaft extensions.

❷ Use GAX66.. handles and GAX7...A extensions for a door-coupling version.

General characteristics of auxiliary contacts

- IEC conventional free air thermal current Ith: 10A
- UL/CSA and IEC/EN 60947-5-1 designation: A600-Q600.

Transformation of direct operating version into door coupling type



Certifications and compliance

Certifications obtained:

Type	GOST	cULus per UL508 / CSA C22.2 n°14 UL Listed (File E93602)	cULus per UL98 / CSA C22.2 n°4 UL Listed (File E328470)
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	●	—	●
GAX61-GAX61 B	●	●	●
GAX62-GAX62 B	●	●	●
GAX63-GAX63 B	●	●	●
GAX63 1B	●	—	—
GAX63 2-GAX63 2B	●	●	▲
GAX64-GAX64 B	●	●	●
GAX66-GAX66 B	●	—	▲
GAX67 B	●	●	▲
GAX60 B	●	—	▲

● Certification obtained; ▲ certification pending.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, IEC/EN 60947-5-1, UL508, UL98, CSA C22.2.

Strokes of GA poles (switch with auxiliary contact blocks)

	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)			40°	60°	
	Travel 0→1				
	Travel 1→0			70°	
GA063A/C...GA125A/C Main poles				55°	
GAX10 11A – GAX10 11C Auxiliary contacts (1NO+1NC)				45°	
	NO				
	NC				
GAX12 10EA Auxiliary contact (1EB – NO early break)			25°	55°	
	Travel 0→1				
	Travel 1→0			65°	
	OFF				ON

Strokes of GA...D types (switch and add-on blocks)

	Travel 0→1	0°	30°	60°	90°
GA040 D Main poles				60°	
GA042 040D Simultaneous fourth-pole add on				60°	
GAX10 11A Auxiliary contacts (1NO+1NC)				60°	
	NO				
	NC				
GAX11 10EA Auxiliary contact (1EB – NO early break)			40°	60°	
	Travel 0→1				
	Travel 1→0			70°	
GA080 D - GA125 D Main poles				55°	
GAX42 080D - GAX42 125D Simultaneous fourth-pole add on				55°	
GAX10 11A – GAX10 11C Auxiliary contacts (1NO+1NC)				45°	
	NO				
	NC				
GAX12 10EA Auxiliary contact (1EB – NO early break)			25°	55°	
	Travel 0→1				
	Travel 1→0			65°	
	OFF				ON

Rotary handles



GAX61



GAX62



GAX66



GAX63 B



GAX63 2B
Low profile

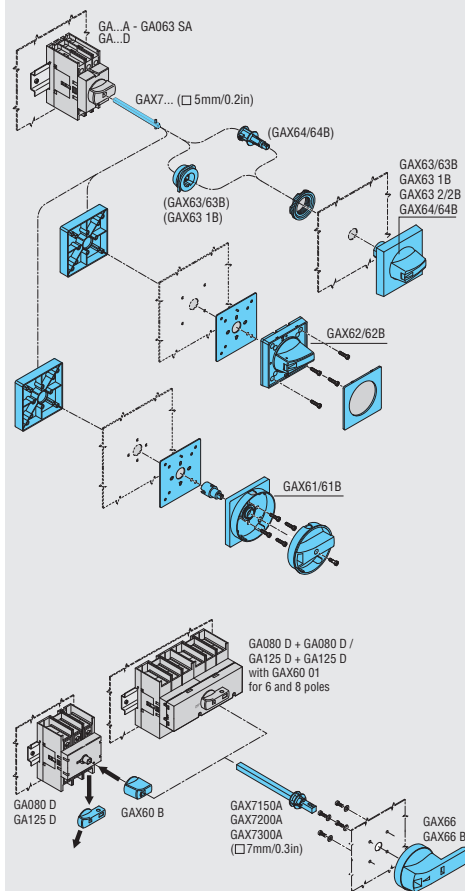


GAX67 B

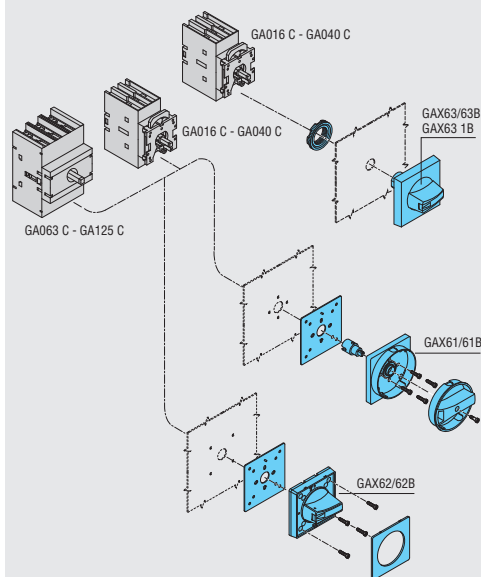
- ① For GA...A and GA...D switch disconnectors, separately order GAX7... shaft extensions.
- ② Snap-on fixing of GA016-GA040C switch disconnectors with the handle.
- ③ Separately order GAX7...A shaft extension and GAX60 B handle having a 7mm/0.3in square section, except for use with GAX60 01.

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
DOOR COUPLING HANDLES, PADLOCKABLE. Red/yellow, rotating.			
GAX61	For GA...A, GA063 SA, GA...C and GA...D. Screw fixing. Recessed selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.073
GAX62	For GA...A, GA063 SA, GA...C and GA...D. Screw fixing. Protruding selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.072
GAX63	For GA...A, GA063 SA, GA016 C - GA040 C and GA...D. Ring fixing. Protruding selector. □ 5mm/0.2in ①②. IEC IP65/UL Type 4X	1	0.068
GAX63 2	For GA...A, GA063 SA, and GA...D. Low-profile ring fixing. Protruding selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.057
GAX64	For GA...A, GA063 SA, and GA...D. Ring fixing. Protruding selector with release, defeatable per UL508A; □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.064
GAX66	For GA063 A-GA125 A, GA080 D, GA125 D and GAX60 01. Screw fixing. Pistol grip with release, defeatable per UL508A; □ 7mm/0.3in ③. IEC IP66	1	0.140
Black, rotating.			
GAX61 B	For GA...A, GA063 SA, GA...C and GA...D. Screw fixing. Recessed selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.073
GAX62 B	For GA...A, GA063 SA, GA...C and GA...D. Screw fixing. Protruding selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.072
GAX63 B	For GA...A, GA063 SA, GA016 C - GA040 C and GA...D. Ring fixing. Protruding selector. □ 5mm/0.2in ①②. IEC IP65/UL Type 4X	1	0.068
GAX63 1B	For GA...A, GA063 SA, GA016 C-GA040 C and GA...D. Ring fixing. Protruding selector, padlockable at ON (per UNI 9490 and UNI EN 12845 - firefighting systems); □ 5mm/0.2in ①②. IEC IP65/UL Type 4X	1	0.074
GAX63 2B	For GA...A, GA063 SA and GA...D. Low-profile ring fixing. Protruding selector. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.057
GAX64 B	For GA...A, GA063 SA and GA...D. Ring fixing. Protruding selector with release, defeatable per UL508A. □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.064
GAX66 B	For GA063 A-GA125 A and GA080 D-GA125 D and GAX60 01. Screw fixing. Pistol grip with release, defeatable per UL508A; □ 7mm/0.3in ③. IEC IP66	1	0.140
GAX67 B	For GAX50... mechanical interlock mechanism (I-O-II). □ 5mm/0.2in ①. IEC IP65/UL Type 4X	1	0.078
ACCESSORIES FOR DOOR COUPLING CONTROL. For GAX66 and GAX66 B handles.			
GAX60 B	Adapter □ 7mm/0.3in for GA063 A-GA125 A, GA080 D and GA125 D	1	0.010

Transformation of direct operating version into door coupling type



Door-mount version



Certifications and compliance

See the table on page 11-8 for details.

Switch disconnectors

GA series 16A to 125A

Accessories

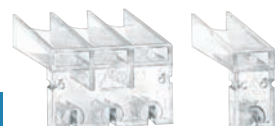
Shaft extensions Terminal covers Fuse holders/blocks



GAX7...



GAX7... A



GAX8...



GAX39 1

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

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

GAX7 055	55mm long; □ 5mm/0.2in	1	0.012
GAX7 070	70mm long; □ 5mm/0.2in	1	0.014
GAX7 090	90mm long; □ 5mm/0.2in	1	0.018
GAX7 150	150mm long; □ 5mm/0.2in	1	0.032
GAX7 200	200mm long; □ 5mm/0.2in	1	0.040
GAX7 300	300mm long; □ 5mm/0.2in	1	0.068
GAX7 400	400mm long; □ 5mm/0.2in	1	0.072
GAX7 500	500mm long; □ 5mm/0.2in	1	0.090

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

GAX7 150A	150mm long; □ 7mm/0.3in	1	0.090
GAX7 200A	200mm long; □ 7mm/0.3in	1	0.112
GAX7 300A	300mm long; □ 7mm/0.3in	1	0.160

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

GAX81	For GAX42 040A, GAX42 040C, GAX42 040D, GAX41 040A, GAX41 040C, GAX41 063SA, GAX42 063SA	1	0.009
GAX82	For GAX42 063A-GAX42 125A, GAX42 063C-GAX42 125C, GAX42 080D, GAX42 125D, GAX41 125A, GAX41 125C	1	0.012

Set of 2 three-pole terminal covers.

GAX83	For GA016 A-GA040 A, GA063 SA, GA016 C-GA040 C, GA040 D	1	0.018
GAX84	For GA063 A-GA125 A, GA063 C-GA125 C, GA080 D, GA125 D	1	0.030

Fuse holder/block 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

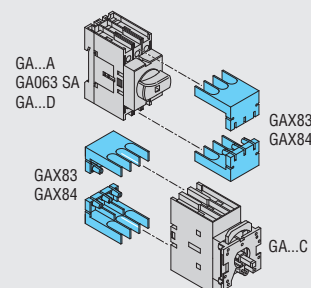
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Operational characteristics of fuse holder

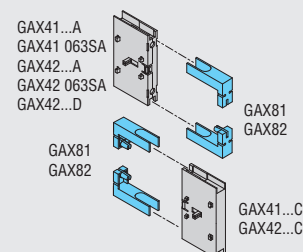
- IEC rated insulation voltage U_i : 1000V
- ICE rated impulse withstand voltage U_{imp} : 8kV
- The fuse holder/block connects directly to the switch disconnectors.
- Access to fuses only when the switch disconnectors are in OFF position.

Terminal covers

For switch disconnectors



For fourth pole



Certifications and compliance

Certifications obtained:

Type	GOST	cULus per UL508 / CSA C22.2 n°14 UL Listed (File E93602)	cULus per UL98 / CSA C22.2 n°4 UL Listed (File E328470)
GAX7 055...GAX7 500	●	●	●
GAX7 150A ... GAX7 300A	●	—	●
GAX81-GAX83	●	●	—
GAX82-GAX84	●	—	●
GAX39 1	●	—	—
GAX39 1UL	—	●	—

● Certification obtained.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, UL508, UL98, CSA C22.2.

Three-pole switch disconnectors in enclosure



GAZ016...-GAZ040...



GAZ063...-GAZ125...

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

THREE POLE. With rotating red/yellow handle.

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

With rotating 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 B	63	1	2.220
GAZ080 B	80	1	2.220
GAZ100 B	100	1	2.220
GAZ125 B	125	1	2.220

FOUR POLE. With rotating red/yellow handle.

GAZ016 T4	16	1	0.550
GAZ032 T4	32	1	0.550
GAZ063 T4	63	1	2.500
GAZ125 T4	125	1	2.500

With rotating black handle.

GAZ016 T4B	16	1	0.550
GAZ032 T4B	32	1	0.550
GAZ063 T4B	63	1	2.500
GAZ125 T4B	125	1	2.500

Components Enclosure	Switch disconnector	Fourth pole (if any)	Handle
GAZ1	GA016 A		GAX61
GAZ1	GA025 A		GAX61
GAZ1	GA032 A		GAX61
GAZ1	GA040 A		GAX61
GAZ3	GA063 A		GAX61
GAZ3	GA080 A		GAX61
GAZ3	GA100 A		GAX61
GAZ3	GA125 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
GAZ3 B	GA063 A		GAX61 B
GAZ3 B	GA080 A		GAX61 B
GAZ3 B	GA100 A		GAX61 B
GAZ3 B	GA125 A		GAX61 B

GAZ1	GA016 A	GAX42040A	GAX61
GAZ1	GA032 A	GAX42040A	GAX61
GAZ3	GA063 A	GAX42063A	GAX61
GAZ3	GA125 A	GAX42125A	GAX61

GAZ1	GA016 A	GAX42040A	GAX61 B
GAZ1	GA032 A	GAX42040A	GAX61 B
GAZ3	GA063 A	GAX42063A	GAX61 B
GAZ3	GA125 A	GAX42125A	GAX61 B

General characteristics

- Polymeric housing material
- Three-pole versions can become four pole by adding the fourth pole GAX4...A
- One auxiliary contact block can be fitted on the right and left sides of the disconnector, unless the fourth pole already is fitted on GAZ...T4 types
- Padlockable handle
- Sealable cover
- IEC IP65 degree of protection
- Entries
 - GAZ016-GAZ040: PG16/M25 and PG13.5/M20 knockouts
 - GAZ063-GAZ125: smooth surface to be drilled by the user.

Certifications and compliance

Certifications obtained: GOST; cULus (see below).
Compliant with standards: IEC7EN 60947-1, IEC/EN 60947-3; as Manual Motor Controllers - Enclosed.

Special GAZ... versions

In addition to the standard-supplied types, versions UL Listed, for USA and Canada (File E93602), are available (cULus pending for GAZ063... - GAZ125... types); UL Type 4, 4X ratings.
Add suffix **UL** at the end of the order code; e.g. GAZ032 B **UL**.

Empty non-metallic
enclosures



GAZ1...



GAZ3...

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

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

GAZ1	For GA016 A-GA040 A and GA040 D❶	1	0.320
GAZ3	For GA063 A-GA125 A, GA080 D and GA125 D	1	1.900

With rotating black handle. Complete with shaft extension.

GAZ1 B	For GA016 A-GA040 A and GA040 D❶	1	0.320
GAZ3 B	For GA063 A-GA125 A, GA080 D and GA125 D	1	1.900

❶ Not suitable for GA063 SA type.

General characteristics

- Polymeric material
- Padlockable handle
- Sealable cover
- IEC IP65 degree of protection
- Entries
 - GAZ1: PG16/M25 and PG13.5/M20 knockouts
 - GAZ3: smooth surface to be drilled by user.

The empty enclosures are supplied with the following
accessories:

Enclosure	GAZ1 B	GAZ3 B	GAZ 1	GAZ 3
GAX61 B handle	1	1	—	—
GAX61 handle	—	—	1	1
Shaft extension	1	1	1	1
Neutral plate terminal	1	—	1	—
Earth/Ground plate terminal	1	—	1	—

Certifications and compliance

Certifications obtained: GOST; cULus (see below).
Compliant with standards: IEC7EN 60947-1,
IEC/EN 60947-3; UL508, UL98, CSA C22.2 for GAZ... UL
types.

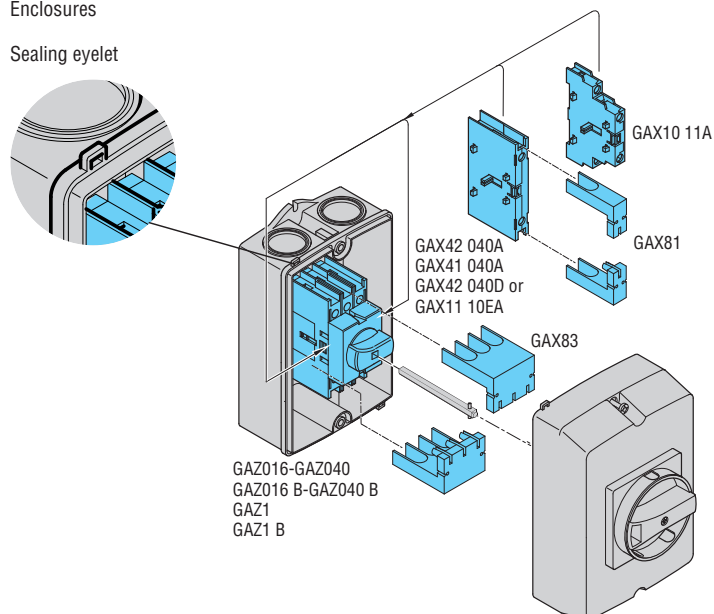
Special GAZ... versions

In addition to the standard-supplied types, versions
UL Listed, for USA and Canada (File E93602), as
Polymeric enclosures for motor controllers, are available
(cULus pending GAZ3... types); UL Type 4, 4X ratings.
Add suffix **UL** at the end of the order code; e.g. GAZ01 B **UL**.

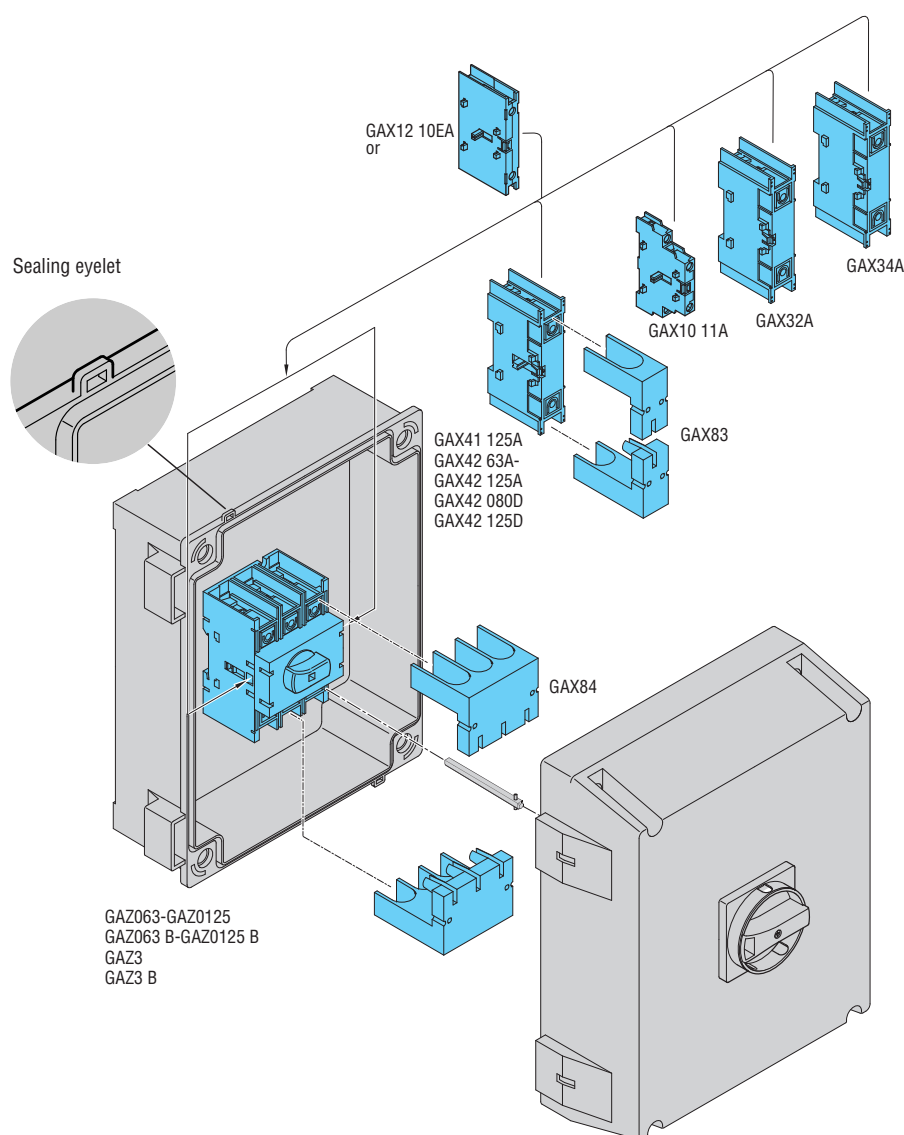
Maximum combinations

Enclosures

Sealing eyelet



One auxiliary contact block can be fitted on the right and left sides of the disconnector unless the fourth pole is fitted. The earth and neutral plate terminals are standard supplied on the enclosure base.



Two auxiliary contact blocks can be fitted both on the right and left sides of the disconnector. Earth/ground and neutral terminals, GAX... type, if any required, are to be purchased separately for the enclosure except for GAZ...UL types which have plate terminals standard supplied.

Three-pole switch disconnectors



GE...

Order code	IEC conven- tional free air thermal current I _{th} AC21A (≤500V)	IEC rated operational current I _e AC23A (≤400V) AC23A (≤500V)		Qty per pkg	Wt
	[A]	[A]	[A]		
Separately order the handle and shaft extension ❶.					
GE0160 P❹	160	160	125	1	0.850
GE0160	160	160	125	1	0.850
GE0200	200	160	125	1	0.900
GE0250	250❺	160	125	1	0.900
GE0251	250	250	200	1	1.700
GE0315	315	315	250	1	1.700
GE0400	400	400	315	1	1.900
GE0500	500	500	400	1	4.200
GE0630	630	630	500	1	4.200
GE0800	800	800	500	1	4.200
GE1000	1000	800	800	1	7.600
GE1250	1250	800	800	1	7.600
GE1600	1600	1000	900	1	20.800



Three-pole switch disconnectors with fuse holder



GE... F - GE... N - GE... B

With NFC fuse holder ❸❹.
Separately order the handle and shaft extension ❶❷.

GE0050 F ❹	50	50	50	1	1.250
GE0125 F ❹	125	125	125	1	1.700

With NH fuse holder ❸.
Separately order the handle and shaft extension ❶❷.

GE0160 N	160	160	125	1	1.700
GE0161 N	160	160	160	1	3.100
GE0250 N	250	250	250	1	6.600
GE0400 N	400	400	400	1	6.600
GE0630 N	630	630	630	1	13.000
GE0800 N	800	630	630	1	13.000

With BS fuse holder ❸.
Separately order the handle and shaft extension ❶❷.

GE0160 B	160	160	160	1	3.500
GE0200 B	200	200	200	1	3.500
GE0250 B	250	250	250	1	6.600
GE0315 B	315	315	315	1	6.600
GE0400 B	400	400	400	1	6.600
GE0630 B	630	630	630	1	13.000
GE0800 B	800	630	630	1	13.000

- ❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
- ❷ See table on page 11-20 also for the types of fuses.
- ❸ The switch disconnector is standard-supplied with fuse protection shield.
- ❹ Standard supplied with IEC IP20 terminal protection.
- ❺ IEC 250A I_{th}; IEC 200A AC21A ≤500V.

Selection of handle and accessories

Types of handle to use per type are given below. Also refer to pages 11-18 and 11-20.

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX6 5D	GAX66 B	GAX66
GEX6 6D	GEX6 6B	GEX6 6
GEX6 7D	GEX6 7B	GEX6 7
GEX6 8D	GEX6 8B	GEX6 8
GEX6 9D	GEX6 9B	GEX6 9

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX6 1D	GEX6 1B	GEX6 1
GEX6 2D	GEX6 2B	GEX6 2
GEX6 3D	GEX6 3B	GEX6 3
GEX6 4D	GEX6 4B	GEX6 4
GEX6 5D	GEX6 5B	GEX6 5
GEX6 6D	GEX6 6B	GEX6 6
GEX6 7D	GEX6 7B	GEX6 7
GEX6 8D	GEX6 8B	GEX6 8
GEX6 9D	GEX6 9B	GEX6 9

General characteristics

- 50A to 1600A ratings
- Available versions: direct operating and door coupling
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160 P on p. 11-18
- Padlockable at 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i:
 - 1000V for GE0160-GE1600, GE0160 P, GE0250 N/B-GE0800 N/B
 - 800V for GE0050 F, GE0125 F, GE0160 N/B, GE0161 N, and GE0200 B
- Mechanical life:
 - 30,000 cycles for GE0160-GE0250, GE0160 P
 - 20,000 cycles for GE0251-GE0400
 - 10,000 cycles for GE0500-GE1600, GE0050 F, GE0125 F, GE0160 N/B-GE0400 N/B
 - 5,000 cycles for GE0630 N/B-GE0800 N/B.

Certifications and compliance

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

Four-pole switch disconnectors



GE...T4...

Order code	IEC conventional free air thermal current Ith AC21A (≤500V)	IEC rated operational current Ie		Qty per pkg	Wt [kg]
		AC23A (≤400V)	AC23A (≤500V)		
	[A]	[A]	[A]	n°	[kg]
Separately order the handle and shaft extension ❶.					
GE0160 T4P❶	160	160	125	1	1.000
GE0160 T4	160	160	125	1	1.000
GE0200 T4	200	160	125	1	1.000
GE0250 T4	250❷	160	125	1	1.000
GE0251 T4	250	250	200	1	1.900
GE0315 T4	315	315	250	1	1.900
GE0400 T4	400	400	315	1	2.100
GE0500 T4	500	500	400	1	4.500
GE0630 T4	630	630	500	1	4.500
GE0800 T4	800	800	500	1	4.500
GE1000 T4	1000	800	800	1	7.600
GE1250 T4	1250	800	800	1	7.600
GE1600 T4	1600	1000	900	1	20.800



Four-pole switch disconnectors with fuse holder



GE... FT4 - GE...NT4-GE...BT4

With NFC fuse holder ❸❹.					
Separately order the handle and shaft extension ❶❷.					
GE0050 FT4❶	50	50	50	1	1.250
GE0125 FT4❶	125	125	125	1	1.700
With NH fuse holder ❸.					
Separately order the handle and shaft extension ❶❷.					
GE0160 NT4	160	160	125	1	2.200
GE0161 NT4	160	160	160	1	8.000
GE0250 NT4	250	250	250	1	8.000
GE0400 NT4	400	400	400	1	8.000
GE0630 NT4	630	630	630	1	15.000
GE0800 NT4	800	630	630	1	15.000
With BS fuse holder ❸.					
Separately order the handle and shaft extension ❶❷.					
GE0160 BT4	160	160	160	1	4.000
GE0200 BT4	200	200	200	1	4.000
GE0250 BT4	250	250	250	1	4.000
GE0315 BT4	315	315	315	1	8.000
GE0400 BT4	400	400	400	1	8.000
GE0630 BT4	630	630	630	1	15.000
GE0800 BT4	800	630	630	1	15.000

- ❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
- ❷ See table on page 11-21 also for the types of fuses.
- ❸ The switch disconnector is standard-supplied with fuse protection shield.
- ❹ Standard supplied with IEC IP20 terminal protection.
- ❺ IEC 250A Ith; IEC 200A AC21A ≤500V.

Selection of handles and accessories

Types of handle to use per type are given below. Also refer to pages 11-18 and 11-21.

Direct operating		Door coupling	
Black		Black	Red/yellow
GEX6 5D		GAX66 B	GAX66
GEX6 6D		GEX6 6B	GEX6 6
GEX6 7D		GEX6 7B	GEX6 7
GEX6 8D		GEX6 8B	GEX6 8
GEX6 9D		GEX6 9B	GEX6 9
Direct actuator		Door coupling	
Black		Black	Red/yellow
GEX6 1D		GEX6 1B	GEX6 1
Direct actuator		Door coupling	
Black		Black	Red/yellow
GEX6 1D		GEX6 1B	GEX6 1
GEX6 2D		GEX6 6B	GEX6 6
GEX6 3D		GEX6 7B	GEX6 7
GEX6 4D		GEX6 4B	GEX6 4
Direct actuator		Door coupling	
Black		Black	Red/yellow
GEX6 2D		GEX6 6B	GEX6 6
GEX6 3D		GEX6 7B	GEX6 7
GEX6 4D		GEX6 4B	GEX6 4

General characteristics

- 50A to 1600A ratings
- Available versions: direct operating and door coupling
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160 T4P on p. 11-18
- Padlockable at 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage Ui:
 - 1000V for GE0160 T4-GE1600 T4, GE0250 NT4/BT4-GE0800 NT4/BT4
 - 800V for GE0050 FT4, GE0125 FT4, GE0160 NT4/BT4, GE0161 NT, GE0200 BT4
- Mechanical life:
 - 30,000 cycles for GE0160 T4-GE0250 T4, GE1600 T4P
 - 20,000 cycles for GE0251 T4-GE0400 T4
 - 10,000 cycles for GE0500 T4-GE1600 T4, GE0050 FT4, GE0125 FT4, GE0160 NT4/BT4-GE0400 NT4/BT4
 - 5,000 cycles for GE0630 NT4/BT4, GE0800 NT4/BT4.

Certifications and compliance

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

Switch disconnectors

GE series 50A to 1600A

Changeover switches

Three-pole changeover switches



GE...E

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

Separately order the handle and shaft extension❶.

GE0160 E	160	160	125	1	1.800
GE0200 E	200	160	125	1	1.900
GE0201 E	200	200	160	1	4.800
GE0250 E	250	200	160	1	4.800
GE0315 E	315	250	200	1	5.000
GE0400 E	400	250	200	1	5.000
GE0500 E	500	400	315	1	11.500
GE0630 E	630	400	315	1	11.500
GE0800 E	800	630	400	1	11.900
GE1000 E	1000	1000	800	1	21.800
GE1250 E	1250	1000	800	1	23.600
GE1600 E	1600	1000	900	1	50.000

new

Four-pole changeover switches



GE...ET4

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

Separately order the handle and shaft extension❶.

GE0160 ET4	160	160	125	1	2.100
GE0200 ET4	200	160	125	1	2.200
GE0201 ET4	200	200	160	1	5.300
GE0250 ET4	250	200	160	1	5.300
GE0315 ET4	315	250	200	1	5.500
GE0400 ET4	400	250	200	1	5.500
GE0500 ET4	500	400	315	1	12.600
GE0630 ET4	630	400	315	1	12.600
GE0800 ET4	800	630	400	1	13.200
GE1000 ET4	1000	1000	800	1	24.300
GE1250 ET4	1250	1000	800	1	26.700
GE1600 ET4	1600	1000	900	1	55.000

new

❶ Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.

Selection of handles and accessories

Types of handle to use per type are given below. Also refer to pages 11-18 and 11-19.

Direct actuator	Door coupling
Black	Black
GEX6 1E	GEX6 1C
GEX6 2E	GEX6 2C
GEX6 3E	GEX6 3C
GEX6 4E	GEX6 4C
GEX6 9D	GEX6 5C

Selection of handles and accessories

Types of handle to use per type are given below. Also refer to pages 11-18 and 11-19.

Direct actuator	Door coupling
Black	Black
GEX6 1E	GEX6 1C
GEX6 2E	GEX6 2C
GEX6 3E	GEX6 3C
GEX6 4E	GEX6 4C
GEX6 9D	GEX6 5C

General characteristics

- 160A to 1600A ratings
- Available versions: direct operating and door coupling
- Screw fixing
- Padlockable at 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage Ui: 1000V
- Mechanical life: 30,000 cycles for GE0160 E/ET4 and GE0200 E/ET4 only; 10,000 cycles for other types.

Certifications and compliance

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

Auxiliary contacts

Terminal covers

Motorised unit



GEX10...



GEX89 00



GEX8...



GEX69...

For the correct choice of auxiliary contacts, terminals covers and motorised unit for the switch disconnector, refer to tables on pages 11-19 to 11-23.

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

Auxiliary contacts^{①②}.

GEX10 11①②	1NO/1NC changeover/SPDT	1	0.032
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Auxiliary contacts for switch disconnector types GE0050 F, GE0050 FT4, GE0125 F, GE0125 FT4, GE0160 N and GE0160 NT4.

GEX10 11N②	1NO/1NC changeover/SPDT	1	0.024
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Auxiliary contacts for switch disconnector types GE0160 E, GE0200 E, GE0160 ET4, GE0200 ET4, GE1600 E and GE1600 ET4.

GEX10 11M②	1NO/1NC changeover/SPDT	1	0.016
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Adapter kit for 35mm DIN fixing.

GEX89 00	For GE...P types only	1	0.040
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Set of terminal covers consisting of pieces given below.

See tables on pages 11-20 to 11-23 for the selection based on the switch disconnector type. Screw fixing.

GEX81 01	1-piece set, transparent sheet covering four poles	1	0.048
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GEX81 11	2-piece set, each covers two poles	1	0.080
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GEX81 21	2-piece set, each covers two poles	1	0.140
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GEX81 31	2-piece set, each covers two poles	1	0.170
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GEX81 41	2-piece set, each covers two poles	1	0.440
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Snap-on fixing.

GEX82 01	3-piece set, each covers one pole	1	0.090
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GEX82 03	4-piece set, each covers one pole	1	0.120
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GEX82 11	3-piece set, each covers one pole	1	0.120
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GEX82 12	3-piece set, each covers one pole	1	0.120
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GEX82 13	4-piece set, each covers one pole	1	0.160
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GEX82 21	3-piece set, each covers one pole	1	0.240
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GEX82 22	3-piece set, each covers one pole	1	0.240
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GEX82 23	4-piece set, each covers one pole	1	0.320
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GEX82 31	3-piece set, each covers one pole	1	0.340
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GEX82 32	3-piece set, each covers one pole	1	0.340
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GEX82 33	4-piece set, each covers one pole	1	0.440
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GEX83 11	3-piece set, each covers one pole	1	0.120
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GEX83 12	4-piece set, each covers one pole	1	0.160
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GEX83 21	3-piece set, each covers one pole	1	0.260
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GEX83 22	4-piece set, each covers one pole	1	0.340
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GEX83 31	3-piece set, each covers one pole	1	0.360
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GEX83 32	4-piece set, each covers one pole	1	0.460
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Motorised control unit for changeover switches.

Rated auxiliary supply voltage 230VAC/DC.

GEX69 1	For GE0201 E-GE0400 E and GE0201 ET4-GE0400 ET4	1	3.840
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GEX69 2	For GE0500 E-GE0800 E and GE0500 ET4-GE0800 ET4	1	5.340
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GEX69 3	For GE1000 E-GE1600 E and GE1000 ET4-GE1600 ET4	1	5.753
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① Suitable for all types except switch disconnectors GE0050 F, GE0050 FT4, GE0125 F, GE0125 FT4, GE0160 N, GE0160 NT4, GE0160 E, GE0200 E, GE0160 ET4, GE0200 ET4, GE1600 E and GE1600 ET4.

② Changeover contact/SPDT.

Selection of add-on contacts and accessories

Refer to the combinations given on pages 11-19 to 11-23 for a correct choice based on the switch disconnector type used.

General characteristics for auxiliary contacts

IEC conventional free air thermal current I_{th}: 16A.

General characteristics for motorised control unit

- IEC rated auxiliary supply voltage: 230VAC/DC
- 4 static outputs, 24VDC 120mA total
- 4 inputs, contacts powered at 24VDC or 5VDC (500mA) for changeover control (pulsed or continuous)
- RS485 Modbus serial port for control, monitoring, programming
- Padlockable at 0 position
- Programming by position inputs
- 4-digit display for status-error indications.

Certifications and compliance

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

Handles



GEX...D-GEX...E



GAX66



GEX61-GEX69



GEX...B-GEX...C

Shaft extension



GAX7...A



GEX7...

For the correct choice of handle and shaft extension for the switch disconnector, refer to tables on pages 11-19 to 11-23.

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

DIRECT OPERATING LEVER HANDLE, PADLOCKABLE ①.
Rotating type with screw fixing on switch disconnector.
Complete with shaft insert.

GEX6 1D	95mm/3.7in black 1-hand	1	0.340
GEX6 1E	50mm/2in black 1-hand	1	0.052
GEX6 2D	105mm/4.1mm black 1-hand	1	0.268
GEX6 2E	105mm/4.1mm black 1-hand	1	0.266
GEX6 3D	145mm/5.7in black 2-hand	1	0.536
GEX6 3E	145mm/5.7in black 2-hand	1	0.424
GEX6 4D	360mm/14.2in black 2-hand	1	0.612
GEX6 4E	360mm/14.2in black 2-hand	1	0.612
GEX6 5D	60mm/2.4in black 1-hand	1	0.054
GEX6 6D	105mm/4.1in black 1-hand	1	0.216
GEX6 7D	245mm/9.6in black 2-hand	1	0.322
GEX6 8D	285mm/11.2in black 2-hand	1	0.328
GEX6 9D	360mm/14.2in black 2-hand	1	0.400

DOOR COUPLING LEVER HANDLE, PADLOCKABLE ①.
Red/yellow rotating type with screw fixing on door.
Shaft extension to order separately.

GAX66 ②	Pistol grip with release, defeatable per UL508A. □ 7mm/0.3in ②. IEC IP66	1	0.140
GEX6 1	1-hand. □ 7mm/0.3in. IEC IP65	1	0.326
GEX6 4	2-hand □ 14mm/0.6in. IEC IP65	1	0.486
GEX6 6	1-hand. □ 10mm/0.4in. IEC IP65	1	0.248
GEX6 7	2-hand □ 14mm/0.6in. IEC IP65	1	0.302
GEX6 8	2-hand □ 14mm/0.6in. IEC IP65	1	0.312
GEX6 9	2-hand □ 14mm/0.6in. IEC IP65	1	0.560

DOOR COUPLING LEVER HANDLE, PADLOCKABLE ①.
Black rotating type with screw fixing on door.
Shaft extension to order separately.

GAX66 B ②	Pistol grip with release, defeatable per UL508A. □ 7mm ②. IP66	1	0.075
GEX6 1B	1-hand. □ 7mm/0.3in. IEC IP65	1	0.334
GEX6 1C	1-hand. □ 7mm/0.3in. IEC IP65	1	0.074
GEX6 2C	1-hand. □ 10mm/0.4in IEC IP65	1	0.252
GEX6 3C	2-hand □ 14mm/0.6in. IEC IP65	1	0.302
GEX6 4B	2-hand □ 14mm/0.6in. IEC IP65	1	0.492
GEX6 4C	2-hand □ 14mm/0.6in. IEC IP65	1	0.488
GEX6 5C	2-hand □ 14mm/0.6in. IEC IP65	1	0.565
GEX6 6B	1-hand. □ 10mm/0.4in. IEC IP65	1	0.246
GEX6 7B	2-hand □ 14mm/0.6in. IEC IP65	1	0.298
GEX6 8B	2-hand □ 14mm/0.6in. IEC IP65	1	0.310
GEX6 9B	2-hand □ 14mm/0.6in. IEC IP65	1	0.550

SHAFT EXTENSION
for door coupling lever handles.

GAX7 150A	150mm/5.9in; □ 7mm/0.3in	1	0.090
GAX7 200A	200mm/7.9in; □ 7mm/0.3in	1	0.112
GAX7 300A	300mm/11.8in; □ 7mm/0.3in	1	0.160
GEX7 137	137mm/5.4in ①, □ 7mm/0.3in	1	0.056
GEX7 160	160mm/6.3in ①, □ 14mm/0.6in	1	0.248
GEX7 191	191mm/7.5in ①, □ 10mm/0.4in	1	0.154
GEX7 204	204mm/8in ①, □ 14mm/0.6in	1	0.310
GEX7 206	206mm/8in ①, □ 7mm/0.3in	1	0.084
GEX7 310	310mm/12.2in ①, □ 14mm/0.6in	1	0.480
GEX7 340	340mm/13.4in ①, □ 10mm/0.4in	1	0.274
GEX7 347	347mm/13.7in ①, □ 7mm/0.3in	1	0.142
GEX7 500	500mm/19.7in ①, □ 10mm/0.4in	1	0.408
GEX7 501	501mm/19.7in ①, □ 14mm/0.6in	1	0.784
GEX7 600	600mm/23.6in ①, □ 14mm/0.6in	1	0.930

① See tables on pages 11-19 to 11-23 for the correct choice based on the switch disconnector type used.

② Use with GAX7...A extension types only.

Certifications and compliance

Certifications obtained: GOST; cULus to UL98 / CSA C22.2 n°4 for GAX66... and GAX7...A types.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.

Summary table of combinations - Three and four-pole changeover switches

Type	IEC Conventional free air thermal current I _{th}	IEC rated operational current I _e		Direct operating handle	Door-coupling handles		Shaft extension for door-coupling handles (the last 3 digits of order code indicate length in mm/in)		Auxiliary contacts 1NO/1NC (SPDT)	Motorised control unit	Terminal covers for:		
	AC21A (≤500V)	AC23B (≤400V)	AC23B (≤500V)	Black	Black	Red/Yellow	Width	mm/in	Sect.		Line 1	Line 2	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code			Order code	Order code	Order code	Order code	Order code
Changeover switches. Three poles.													
GE0160 E	160	160	125	GEX6 1E	GEX6 1C	—		255/10"	7mm	GEX7 137 GEX7 206 GEX7 347	GEX1011M	—	GEX81 01 ①
GE0200 E	200	160	125					330/13"	0.3"				
								475/18.7"					
GE0201 E	200	200	160	GEX6 2E	GEX6 2C	—		280/11"	10mm/	GEX7 191 GEX7 340 GEX7 500	GEX1011	GEX69 1	GEX82 12
GE0250 E	250	200	160					430/16.9"	0.4"				
GE0315 E	315	250	200					590/23.2"					
GE0400 E	400	250	200										
GE0500 E	500	400	315										
GE0630 E	630	400	315	GEX6 3E	GEX6 3C	—		260/10.2"	14mm/	GEX7 160 GEX7 310 GEX7 501		GEX69 2	GEX82 22
GE0800 E	800	630	400					410/16.1"	0.6"				
GE1000 E	1000	1000	800					600/23.6"					
GE1250 E	1250	1000	800	GEX6 4E	GEX6 4C	—		280/11"				GEX69 3	GEX82 32
								430/16.9"					
GE1600 E	1600	1000	800	GEX6 9D	GEX6 5C	—		400/15.7"	14mm/	GEX7 204 GEX7 600	GEX1011M		GEX81 41
								795/31.3"	0.6"				—
													GEX81 41
Changeover switches. Four poles.													
GE0160 ET4	160	160	125	GEX6 1E	GEX6 1C	—		255/10"	7mm	GEX7 137 GEX7 206 GEX7 347	GEX1011M	—	GEX81 01 ①
GE0200 ET4	200	160	125					330/13"	0.3"				
								475/18.7"					
GE0201 ET4	200	200	160	GEX6 2E	GEX6 2C	—		280/11"	10mm/	GEX7 191 GEX7 340 GEX7 500	GEX1011	GEX69 1	GEX82 13
GE0250 ET4	250	200	160					430/16.9"	0.4"				
GE0315 ET4	315	250	200					590/23.2"					
GE0400 ET4	400	250	200										
GE0500 ET4	500	400	315										
GE0630 ET4	630	400	315	GEX6 3E	GEX6 3C	—		260/10.2"	14mm/	GEX7 160 GEX7 310 GEX7 501		GEX69 2	GEX82 23
GE0800 ET4	800	630	400					410/16.1"	0.6"				
GE1000 ET4	1000	1000	800					600/23.6"					
GE1250 ET4	1250	1000	800	GEX6 4E	GEX6 4C	—		280/11"				GEX69 3	GEX82 33
								430/16.9"					
GE1600 ET4	1600	1000	800	GEX6 9D	GEX6 5C	—		400/15.7"	14mm/	GEX7 204 GEX7 600	GEX1011M		GEX81 41
								795/31.3"	0.6"				—
													GEX81 41

① GEX81 01 terminal cover protects the input of both Line 1 and Line 2.

Summary table of combinations - Three-pole switch disconnectors

Three-pole type ①	IEC Conventional free air thermal current I _{th}	IEC rated operational current I _e		Direct operating handle	Door-coupling handles			Shaft extensions for door-coupling handles (the last 3 digits of order code indicate length in mm/in)		Auxiliary contacts 1NO/1NC (SPDT)	Type of fuse	Terminal covers for:	
		AC21A (≤500V)	AC23A (≤400V)		Black	Black	Red/Yellow	Width	mm			Line	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code				Order code		Order code	Order code

Switch disconnectors.

GE0160 P	160	160	125	GEX6 5D	GAX66 B	GAX66		215/8.5"	7mm/0.3"	GAX7 150A	GEX1011	—	—
GE0160	160	160	125				60mm	265/10.4"		GAX7 200A		GEX81 01	GEX81 01
GE0200	200	160	125				2.4"	365/14.4"		GAX7 300A			
GE0250	250	160	125										
GE0251	250	250	200	GEX6 6D	GEX6 6B	GEX6 6		250/9.8"	10mm/0.4"	GEX7 191		GEX81 11	GEX81 11
GE0315	315	315	250				105mm	400/15.7"		GEX7 340			
GE0400	400	400	315				4.1"	560/22"		GEX7 500			
GE0500	500	500	400	GEX6 7D	GEX6 7B	GEX6 7		250/9.8"	14mm/0.6"	GEX7 160		GEX81 21	GEX81 21
GE0630	630	630	500				245mm	400/15.7"		GEX7 310			
GE0800	800	630	500				9.6"	590/23.2"		GEX7 501			
GE1000	1000	800	800	GEX6 8D	GEX6 8B	GEX6 8		265/10.4"				GEX81 31	GEX81 31
GE1250	1250	800	800				285mm	415/16.3"					
							11.2"	605/23.8"					
GE1600	1600	1000	900	GEX6 9D	GEX6 9B	GEX6 9		400/15.7"	14mm/0.6"	GEX7 204		GEX81 41	GEX81 41
							360mm	795/31.3"		GEX7 600			
							14.2"						

Switch disconnectors with NFC fuse holder.

GE0050 F	50	50	50	GEX6 1D	GEX6 1B	GEX6 1		187/7.4"	7mm/0.3"	GEX7 137	GEX1011N	14x51	—
GE0125 F	125	125	125				95mm	255/10"		GEX7 206		22x58	—
							3.7"	395/15.5"		GEX7 347			

Switch disconnectors with NH fuse holder.

GE0160 N	160	160	125	GEX6 1D	GEX6 1B	GEX6 1		187/7.4"	7mm/0.3"	GEX7 137	GEX1011N	00	GEX82 01	GEX82 01
							95mm	255/10"		GEX7 206				
							3.7"	395/15.5"		GEX7 347				
GE0161 N	160	160	160	GEX6 2D	GEX6 6B	GEX6 6		295/11.6"	10mm/0.4"	GEX7 191	GEX1011	0	GEX82 11	GEX82 12
							105mm	445/17.5"		GEX7 340				
							4.1"	605/23.8"		GEX7 500				
GE0250 N	250	250	250	GEX6 3D	GEX6 7B	GEX6 7		280/11"	14mm/0.6"	GEX7 160		1	GEX82 21	GEX82 22
GE0400 N	400	400	400				245mm	430/16.9"		GEX7 310		2		
							9.6"	620/24.4"		GEX7 501				
GE0630 N	630	630	630	GEX6 4D	GEX6 4B	GEX6 4		285/11.2"				3	GEX82 31	GEX82 32
GE0800 N	800	630	630				360mm	435/17.3"						
							14.2"	625/24.6"						

Switch disconnectors with BS fuse holder.

GE0160 B	160	160	160	GEX6 2D	GEX6 6B	GEX6 6		295/11.6"	10mm/0.4"	GEX7 191	GEX1011	A4	GEX82 11	GEX82 12
GE0200 B	200	200	200				105mm	445/17.5"		GEX7 340		B1-B2		
GE0250 B	250	250	250				4.1"	605/23.8"		GEX7 500				
GE0315 B	315	315	315	GEX6 3D	GEX6 7B	GEX6 7		280/11"	14mm/0.6"	GEX7 160		B1-B2-B3	GEX82 21	GEX82 22
GE0400 B	400	400	400				245 mm	430/16.9"		GEX7 310		B1-B2-B3-B4		
							9.6"	620/24.4"		GEX7 501				
GE0630 B	630	630	630	GEX6 4D	GEX6 4B	GEX6 4		285/11.2"				C1-C2	GEX82 31	GEX82 32
GE0800 B	800	630	630				360mm	435/17.3"				C1-C2-C3		
							14.2"	625/24.6"						

① The motorised control unit cannot be installed.

② Standard supplied with IP20 terminal protection warranted by wired equipment with only maximum conductor section of 95mm². Suitable for mounting on 35mm DIN (IEC/EN 60715) rail, adapters kit is available on page 11-18.

③ IEC 250A I_{th}; IEC 200A AC21A ≤500V.

④ Standard supplied with IEC IP20 terminal protection warranted by wired equipment with only maximum conductor section of 35mm² for GE0050 F and of 95mm² for GE0125 F.

Summary table of combinations - Four-pole switch disconnectors

Four-pole type ①	IEC conventional free air thermal current I _{th}	IEC rated operational current I _e		Direct operating handle 	Door-coupling handles 			Shaft extensions for door-coupling handles (the last 3 digits of order code indicate length in mm/in)		Auxiliary contacts 1NO/1NC (SPDT) 	Type of fuse	Terminal covers for:	
		AC21A (≤500V)	AC23A (≤400V)	AC23A (≤500V)	Black	Black	Red/Yellow	Width	mm	Sect. 		Line	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code				Order code	Order code	Order code	Order code

Switch disconnectors.

GE0160 T4P ②	160	160	125	GEX6 5D	GAX66 B	GAX66		215/8.5"	7mm/0.3"	GAX7 150A GAX7 200A GAX7 300A	GEX1011	—	— ②	— ②
GE0160 T4	160	160	125				60mm	265/10.4"					GEX81 01	GEX81 01
GE0200 T4	200	160	125				2.4"	365/14.4"						
GE0250 T4 ③	250	160	125											
GE0251 T4	250	250	200	GEX6 6D	GEX6 6B	GEX6 6		250/9.8"	10mm/0.4"	GEX7 191 GEX7 340 GEX7 500			GEX81 11	GEX81 11
GE0315 T4	315	315	250				105mm	400/15.7"						
GE0400 T4	400	400	315				4.1"	560/22"						
GE0500 T4	500	500	400											
GE0630 T4	630	630	500	GEX6 7D	GEX6 7B	GEX6 7		250/9.8"	14mm/0.6"	GEX7 160 GEX7 310 GEX7 501			GEX81 21	GEX81 21
GE0800 T4	800	630	500				245mm	400/15.7"						
GE1000 T4	1000	800	800				9.6"	590/23.2"						
GE1250 T4	1250	800	800											
GE1600 T4	1600	1000	900	GEX6 9D	GEX6 9B	GEX6 9		265/10.4"	14mm/0.6"	GEX7 204 GEX7 600			GEX81 31	GEX81 31
							285mm	415/16.3"						
							11.2"	605/23.8"						
				GEX6 9D	GEX6 9B	GEX6 9		400/15.7"	14mm/0.6"	GEX7 204 GEX7 600			GEX81 41	GEX81 41
							360mm	795/31.3"						
							14.2"							

Switch disconnectors with NFC fuse holder.

GE0050 FT4 ④	50	50	50	GEX6 1D	GEX6 1B	GEX6 1		187/7.4"	7mm/0.3"	GEX7 137 GEX7 206 GEX7 347	GEX1011N	14x51	— ④	— ④
GE0125 FT4 ④	125	125	125				95mm	255/10"	0.3"			22x58		

Switch disconnectors with NH fuse holder.

GE0160 NT4	160	160	125	GEX6 1D	GEX6 1B	GEX6 1		187/7.4"	7mm/0.3"	GEX7 137 GEX7 206 GEX7 347	GEX1011N	00	GEX82 03	GEX82 03
							95mm	255/10"	0.3"					
GE0161 NT4	160	160	160	GEX6 2D	GEX6 6B	GEX6 6		295/11.6"	10mm/0.4"	GEX7 191 GEX7 340 GEX7 500	GEX1011	0	GEX82 13	GEX82 13
							105mm	445/17.5"	0.4"					
GE0250 NT4	250	250	250	GEX6 3D	GEX6 7B	GEX6 7		280/11"	14mm/0.6"	GEX7 160 GEX7 310 GEX7 501		1	GEX82 23	GEX82 23
GE0400 NT4	400	400	400				245mm	430/16.9"	0.6"			2		
GE0630 NT4	630	630	630	GEX6 4D	GEX6 4B	GEX6 4		285/11.2"				3	GEX82 33	GEX82 33
GE0800 NT4	800	630	630				360mm	435/17.3"						
							14.2"	625/24.6"						

Switch disconnectors with BS fuse holder.

GE0160 BT4	160	160	160	GEX6 2D	GEX6 6B	GEX6 6		295/11.6"	10mm/0.4"	GEX7 191 GEX7 340 GEX7 500	GEX1011	A4	GEX82 13	GEX82 13
GE0200 BT4	200	200	200				105mm	445/17.5"	0.4"			B1-B2		
GE0250 BT4	250	250	250				4.1"	605/23.8"						
GE0315 BT4	315	315	315	GEX6 3D	GEX6 7B	GEX6 7		280/11"	14mm/0.6"	GEX7 160 GEX7 310 GEX7 501		B1-B2-B3	GEX82 23	GEX82 23
GE0400 BT4	400	400	400				245 mm	430/16.9"	0.6"			B1-B2-B3-B4		
GE0630 BT4	630	630	630	GEX6 4D	GEX6 4B	GEX6 4		285/11.2"				C1-C2	GEX82 33	GEX82 33
GE0800 BT4	800	630	630				360mm	435/17.3"				C1-C2-C3		
							14.2"	625/24.6"						

① The motorised control unit cannot be installed.

② Standard supplied with IP20 terminal protection warranted by wired equipment with only maximum conductor section of 95mm². Suitable for mounting on 35mm DIN (IEC/EN 60715) rail, adapters kit is available on page 11-18.

③ IEC 250A I_{th}; IEC 200A AC21A ≤500V.

④ Standard supplied with IEC IP20 terminal protection warranted by wired equipment with only maximum conductor section of 35mm² for GE0050 FT4 and of 95mm² for GE0125 FT4.

Three-pole switch disconnectors



Fourth pole add-on



Order code	IEC conventional free air thermal current I _{th}	IEC rated operational current I _e DC21B	Qty per pkg	Wt
		Poles in series 800V 1000V 4 p 6 p 8 p		
	[A]	[A] [A] [A]	n°	[kg]

Direct operating version, complete with black handle.
For door-coupling version, separately order the handle and shaft extension; refer to pages 11-9 and 11-10.

GA040 D	40	15	10	25	1	0.135
GA080 D	80	18	20	32	1	0.355
GA125 D	125	20	25	40	1	0.355

Fourth pole add-on with simultaneous closing operation as corresponding GA...D switch poles.

GAX42 040D	40	—	—	—	1	0.040
GAX42 080D	80	—	—	—	1	0.110
GAX42 125D	125	—	—	—	1	0.110

NOTE: See UL/CSA ratings on page 11-48 and/or on the bottom of page 11-4.

UTILISATION IN DC21B CATEGORY

Operational voltage U _e	Maximum operational current in a configuration with:		
[V]	[A]	[A]	[A]

2 POLES IN SERIES.

Products to fit together	GA040 D	GA080 D	GA125 D
300	16	20	25

3 POLES IN SERIES.

Products to fit together	GA040 D	GA080 D	GA125 D
48	40	80	125
110	35	70	120
220	32	40	95
500	12	15	20

4 POLES IN SERIES.

Products to fit together	GA040 D + GAX42 040D	GA080 D + GAX42 080D	GA125 D + GAX42 125D
400	35	40	64
440	32	40	64
500	32	40	56
600	20	30	40
700	15	18	20
750	15	18	20
800	15	18	20
1000	—	12	15

6 POLES IN SERIES.

Products to fit together	GA040 D + GA040 D + GAX60 00	GA080 D + GA080 D + GAX60 01	GA125 D + GA125 D + GAX60 01
600	35	45	50
700	30	35	40
750	25	35	40
800	25	35	40
1000	10	20	25

8 POLES IN SERIES.

Products to fit together	GA040 D + GA040 D + GAX42 040D + GAX42 040D + GAX60 00	GA080 D + GA080 D + GAX42 080D + GAX42 080D + GAX60 01	GA125 D + GA125 D + GAX42 125D + GAX42 125D + GAX60 01
700	40	60	80
750	35	50	60
800	35	50	60
1000	25	32	40

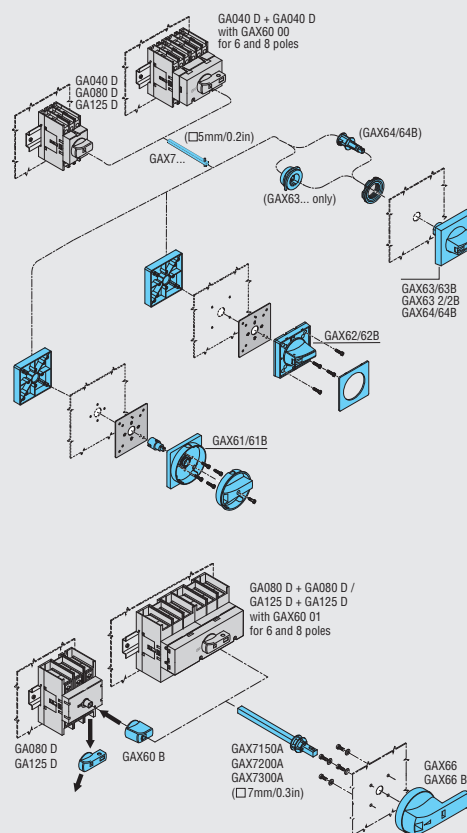
General characteristics

- 40A to 125A ratings
- Available versions:
 - direct operating
 - door coupling version. Use switch disconnector with direct actuator and separately order the handle and shaft extension for this version. See pages 11-9 and 11-10.
- Screw or 35mm DIN (IEC/EN 60715) rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i: 1000V
- IEC rated impulse withstand U_{imp}: 8kV
- Mechanical life:
 - 100,000 cycles for GA040 D and GAX42 040 D
 - 30,000 cycles for GA080 D, GAX42 080 D, GA125D and GAX42 125D.

Transformation of direct operating version into door coupling type



Certifications and compliance

Certifications obtained: GOST; UL Listed for USA and Canada (File E93602), to UL508/CSA C22.2 n° 14 for GA040 D and GAX42 040D and, (File E328470) to UL98/CSA C22.2 n° 4 for GA080 D, GA125 D, GAX42 080D and GAX42 125D.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3, UL508, UL98, CSA C22.2.

Strokes of GA...D types (switch and add-on pole)

	Travel 0 → 1	0°	30°	60°	90°
GA040 D Main poles				60°	
GAX420 40D Simultaneous fourth-pole add on				60°	
GA080 D - GA125 D Main poles				55°	
GAX42 080D - GAX42 125D Simultaneous fourth-pole add on				55°	
	OFF				ON

Four-pole switch disconnectors



GE...DT4 - GE...DT4P

new

new

new

Order code	Conventional free air thermal current I _{th}	Rated operational current I _e DC21B ②		Qty per pkg	Wt [kg]
		(220V)	(800V)		
	[A]	[A]	[A]	n°	[kg]

Version for photovoltaic applications.
Separately order the handle and shaft extension ①.

GE0160 DT4	160	160	30	1	1.000
GE0160 DT4P ③	160	160	30	1	1.000
GE0125 DT4	125	125	100	1	1.900
GE0250 DT4	250	250	200	1	2.000
GE0315 DT4	315	315	250	1	4.000
GE0630 DT4	630	630	270	1	4.500
GE0800 DT4	800	800	500	1	4.500
GE1250 DT4	1250	1250	850	1	8.900

- ① Refer to the side table for the selection of the handle. A shaft insert is standard-supplied with all direct operating handles so no other shaft extension is required in this case.
② Connection of four poles in series.
③ Standard supplied with IEC IP20 terminal protection.

DC21B CATEGORY UTILISATION

Product to order and wire	Operational voltage U _e											
	48V	110V	220V	400V	440V	500V	600V	750V	800V	850V	900V	1000V
	Maximum operational current											
	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]	[A]

4 POLES IN SERIES.

GE0160 DT4	160	160	160	160	150	150	150	80	70	45	40	30
GE0160 DT4P	160	160	160	160	150	150	150	80	70	45	40	30
GE0125 DT4	125	125	125	125	125	125	125	125	125	125	125	100
GE0250 DT4	250	250	250	250	250	250	250	250	250	240	220	200
GE0315 DT4	315	315	315	315	315	315	315	290	280	270	260	250
GE0630 DT4	630	630	630	630	630	630	500	400	350	320	300	270
GE0800 DT4	800	800	800	800	750	700	700	650	630	580	550	500
GE1250 DT4	1250	1250	1250	1250	1250	1250	1050	1000	940	870	850	850

Selection of handles and accessories

Types of handle to use per type are given below.
Also refer to pages 11-18 and at page bottom.

Direct operating	Door coupling	
	Black	Red/yellow
Black	Black	Red/yellow
GEX6 5D	GAX66 B	GAX66
GEX6 6D	GEX6 6B	GEX6 6
GEX6 7D	GEX6 7B	GEX6 7
GEX6 8D	GEX6 8B	GEX6 8

General characteristics

- 160A to 1250A ratings
- Available versions:
 - direct operating
 - door coupling. Use switch disconnector with direct operation and separately order the handle and shaft extension. See pages 11-8 and at page bottom.
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160 DT4P on p. 11-17
- Padlockable at 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i: 1000V
- Mechanical life:
 - 30,000 cycles for GE0160 DT4, GE0160 DT4P
 - 20,000 cycles for GE0125 DT4, GE0250 DT4, GE0315 DT4
 - 10,000 cycles for GE0630 DT4, GE0800 DT4, GE1250 DT4.

Certifications and compliance

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

11

Summary table of combinations

Four-pole type ①	Conventional free air thermal current I _{th}	Rated operational current I _e DC21B ②		Direct operating handle		Door-coupling handles		Shaft extension for door-coupling handles (the last 3 digits of order code indicate length in mm/in)		Auxiliary contacts 1NO/1NC (SPDT)	Terminal covers for:	
		(≤220V)	(≤1000V)	Black	Black	Red/Yellow	Width	mm	Sect. □		Line	Load
Order code	[A]	[A]	[A]	Order code	Order code	Order code				Order code	Order code	Order code
GE0160 DT4	160	160	30	GEX6 5D	GAX66 B	GAX66	60mm	215/8.5"	7mm/0.3"	GAX7 150A	GEX1011	GEX81 01
GE0160 DT4P ③	160	160	30				2.4"	265/10.4"	0.3"	GAX7 200A	— ③	— ③
								365/14.4"		GAX7 300A		
GE0125 DT4	125	125	100	GEX6 6D	GEX6 6B	GEX6 6	105mm	250/9.8"	10mm/0.4"	GEX7 191		GEX81 11
GE0250 DT4	250	250	200				4.2"	400/15.7"	0.4"	GEX7 340		
GE0315 DT4	315	315	250					590/23.2"		GEX7 500		
GE0630 DT4	630	630	270	GEX6 7D	GEX6 7B	GEX6 7	245mm	250/9.8"	14mm/0.6"	GEX7 160		GEX81 21
GE0800 DT4	800	800	500				9.6"	400/15.7"		GEX7 310		
								590/23.2"		GEX7 501		
GE1250 DT4	1250	1250	850	GEX6 8D	GEX6 8B	GEX6 8	285mm	265/10.4"				GEX81 31
							11.2"	415/16.3"				
								605/23.8"				

① The motorised control unit cannot be installed.

② Connection of four poles in series.

③ Standard supplied with IEC IP20 terminal protection warranted by wired equipment with only maximum conductor section of 95mm². Suitable for mounting on 35mm DIN (IEC/EN 60715) rail, adapters kit is available on page 11-18.

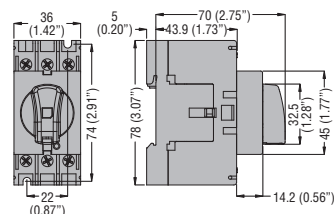
GA SERIES - 16A TO 125A SWITCH DISCONNECTORS

Direct operating version

GA016 A - GA040 A

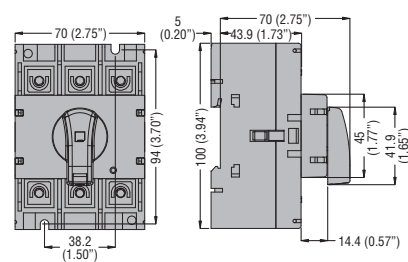
GA063 SA

GA040 D



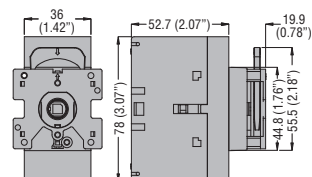
GA063 A - GA125 A

GA080 D - GA125 D

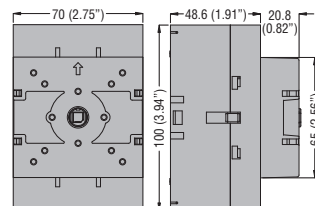


Door mount version

GA016 C - GA040 C



GA063 C - GA125 C



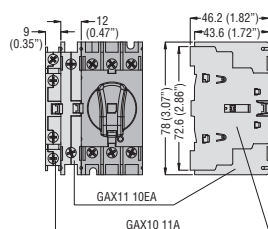
ADD-ON BLOCKS AND ACCESSORIES

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

Auxiliary contacts

GAX10 11A

GAX11 10EA



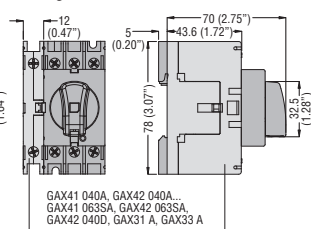
Fourth pole

GAX41 040A - GAX42 040A

GAX41 063SA - GAX42 063SA

GAX42 040D

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

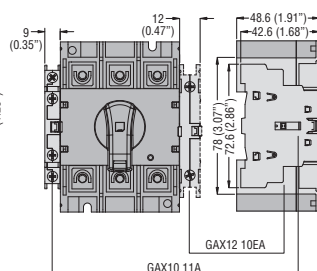


For GA063 A-GA125 A, GA080 D, GA125 D

Auxiliary contacts

GAX10 11A

GAX12 10EA



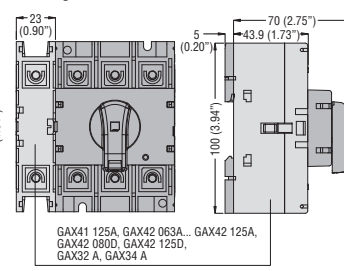
Fourth pole

GAX41 125A

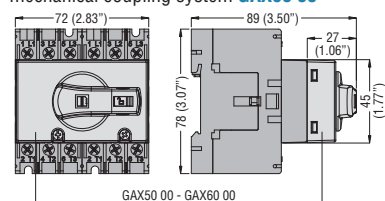
GAX42 063A...GAX42 125A

GAX42 080D...GAX42 125D

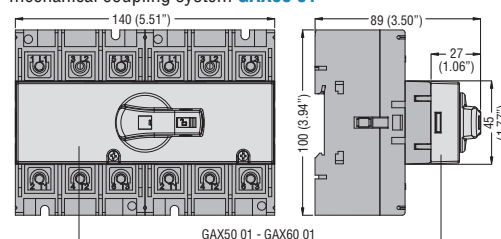
Neutral **GAX32 A** -
earth/ground **GAX34 A** terminals



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

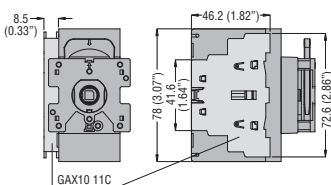


Mechanical interlock **GAX50 01** and mechanical coupling system **GAX60 01**



For GA016 C - GA040 C

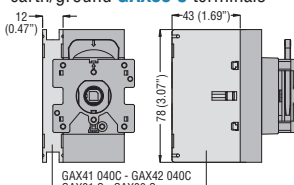
Auxiliary contacts **GAX10 11C**



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

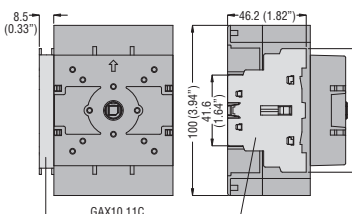
Neutral **GAX31 C** -

earth/ground **GAX33 C** terminals



For GA063 C - GA125 C

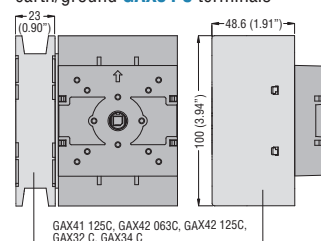
Auxiliary contacts **GAX10 11C**



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

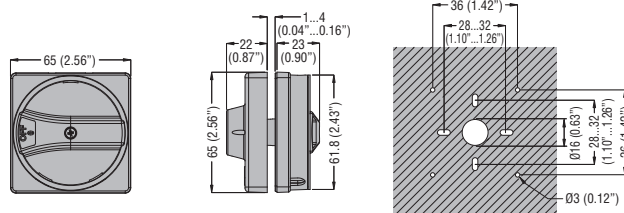
Neutral **GAX32 C** -

earth/ground **GAX34 C** terminals

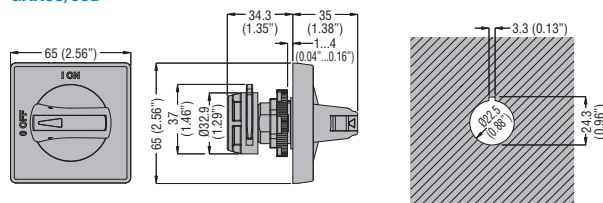


Rotary handles

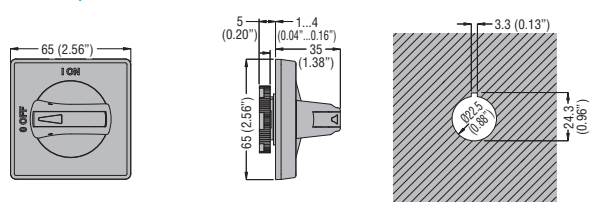
GAX61/61B



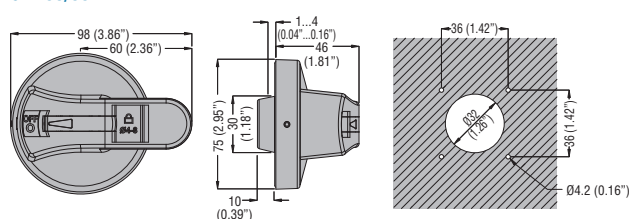
GAX63/63B



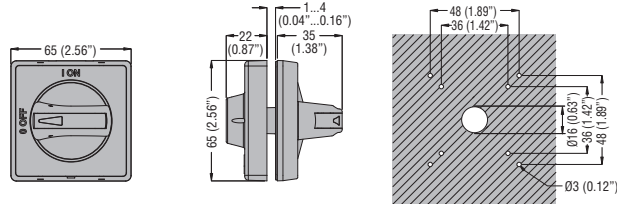
GAX63 2/2B



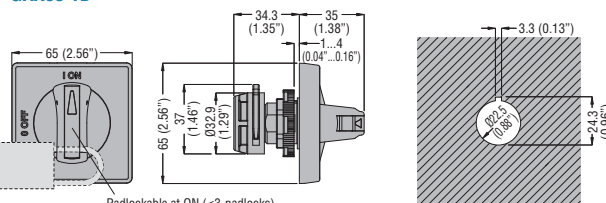
GAX66/66B



GAX62/62B

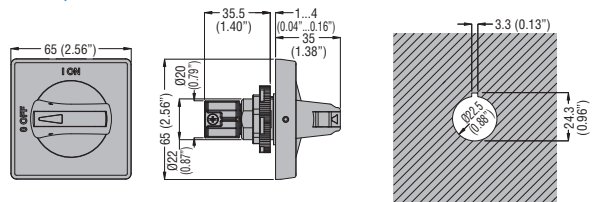


GAX63 1B

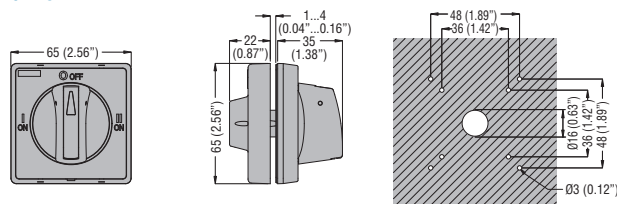


Padlockable at ON (≤ 3 padlocks)
per UNI 9490, UNI/EN 12485

GAX64/64B

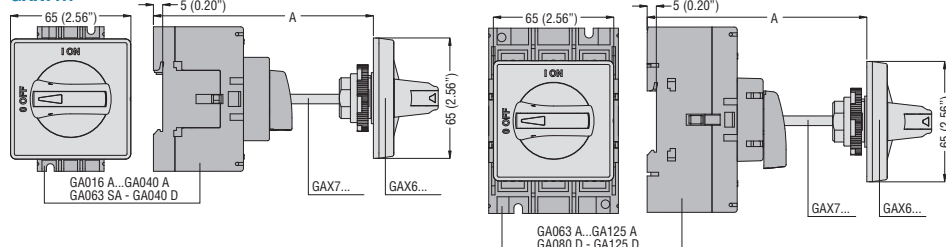


GAX67 B



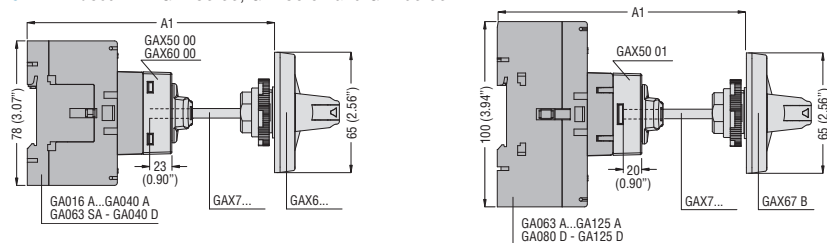
Shaft extensions for door coupling handles

GAX7...



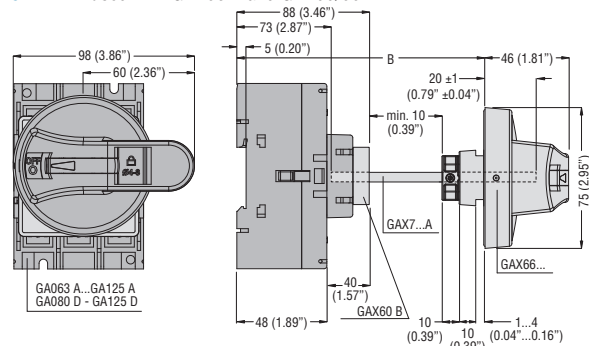
Extension	Length [mm (in)]	A [mm (in)] maximum				
		Type of handle				
		GAX61...	GAX62...	GAX63...	GAX64...	GAX67 B
GAX7055	55 (2.16")	99 (3.90")	97 (3.82")	102 (4.01")	116 (4.57")	97 (3.82")
GAX7070	70 (2.75")	114 (4.49")	112 (4.41")	117 (4.61")	131 (5.16")	112 (4.41")
GAX7090	90 (3.54")	134 (5.27")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

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

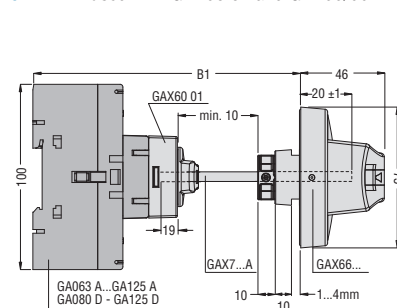


Extension	Length [mm(in)]	A1 [mm (in)] maximum				
		Used with GAX60 00			Used with GAX50 00/GAX50 01	
		Type of handle				
		GAX61...	GAX62...	GAX63...	GAX64...	GAX67 B
GAX7055	55 (2.16")	116 (4.57")	114 (4.49")	119 (4.68")	133 (5.24")	114 (4.49")
GAX7070	70 (2.75")	131 (5.16")	129 (5.08")	134 (5.27")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

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



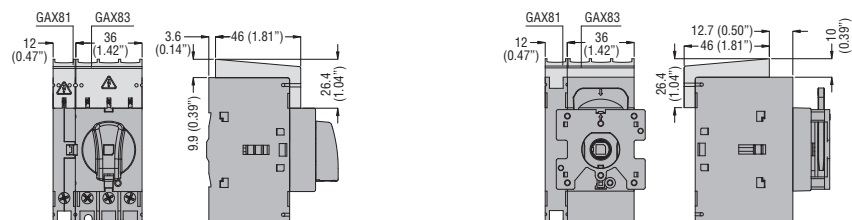
GAX7...A used with GAX60 01 and GAX66/66B handle



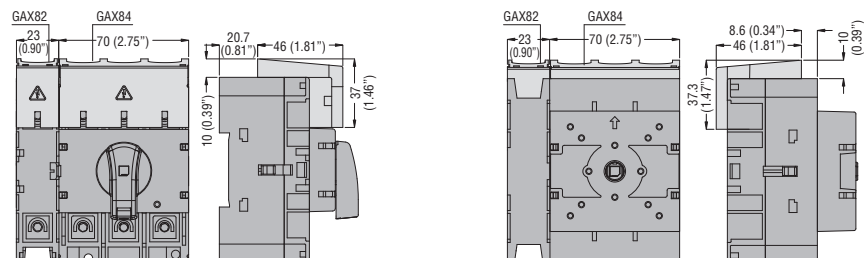
Extension	Length [mm (in)]	B with GAX66/66B handle	B1
		[mm (in)]	[mm (in)]
GAX7150A	176 (6.93")	118...229 (4.64"...9.01")	119...205 (4.68"...8.07")
GAX7200A	226 (8.90")	118...279 (4.64"...10.99")	119...255 (4.68"...10.03")
GAX7300A	326 (12.83")	118...379 (4.64"...14.92")	119...355 (4.68"...13.98")

Terminal covers

GAX81 - GAX83

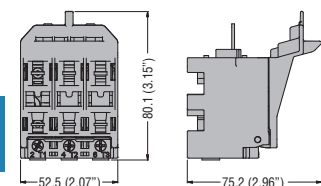


GAX82 - GAX84



Fuse holder

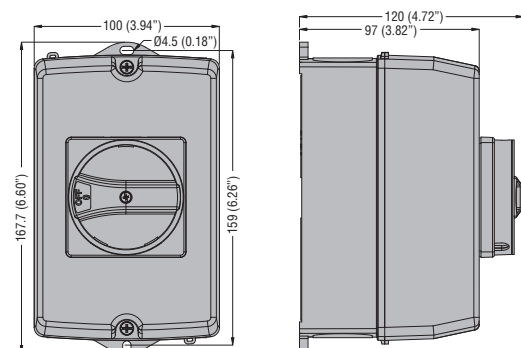
GAX39 1 - GAX39 1UL



SWITCH DISCONNECTORS ENCLOSED AND EMPTY ENCLOSURES

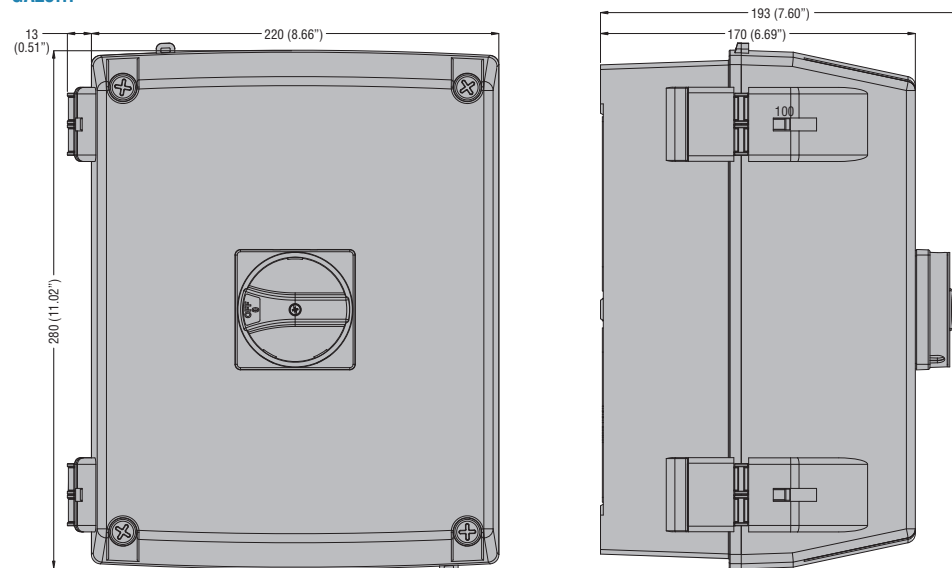
GAZ016... - GAZ040...

GAZ1...



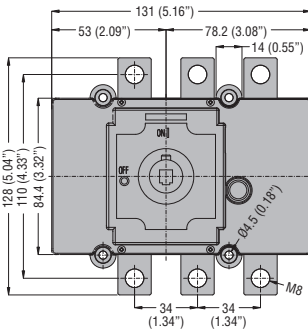
GAZ063... - GAZ125...

GAZ3...

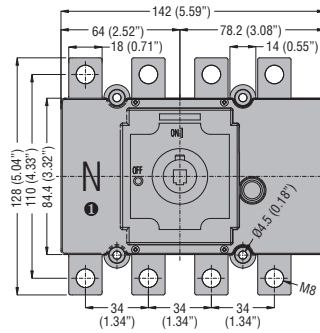


GE SERIES - 160A TO 1600A SWITCH DISCONNECTORS

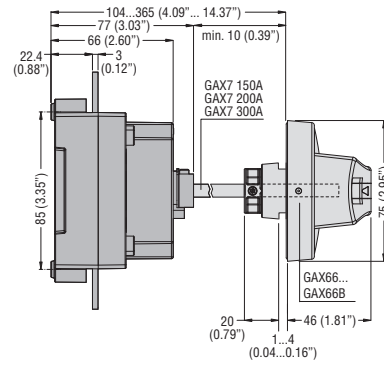
GE0160



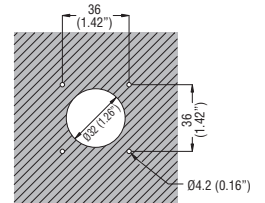
GE0160 T4 - GE0160 DT4



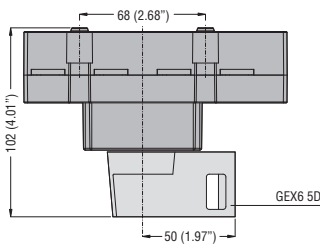
Door coupling version with handle GAX66 - GAX66 B



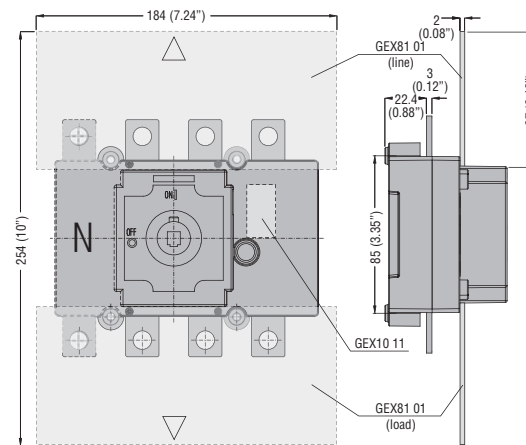
Drilling



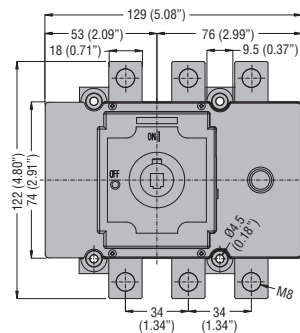
Direct operating version with handle GEX6 5D



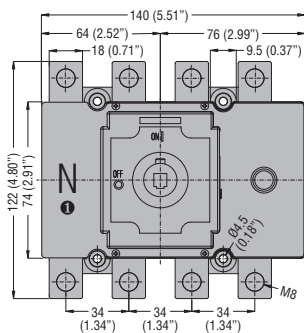
With terminal cover and auxiliary contact



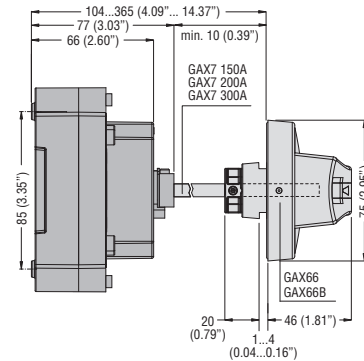
GE0160 P



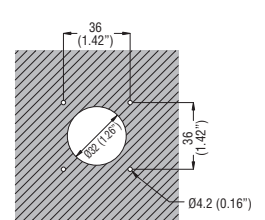
GE0160 T4P - GE0160 DT4P



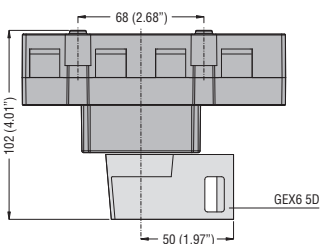
Door coupling version with handle GAX66 - GAX66 B



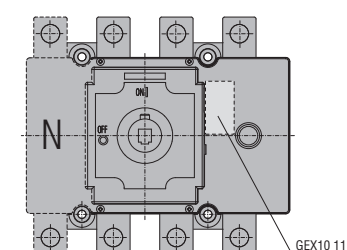
Drilling



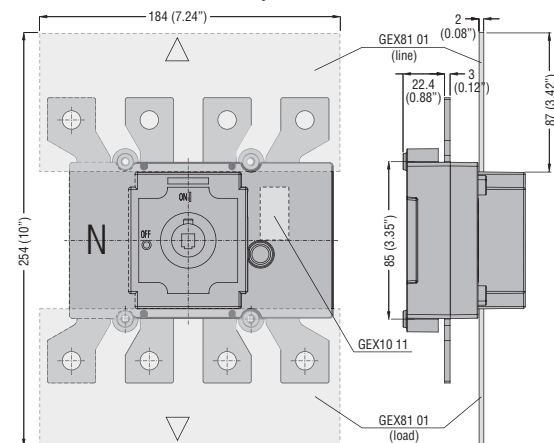
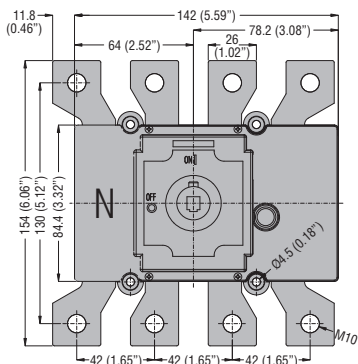
Direct operating version with handle GEX6 5D



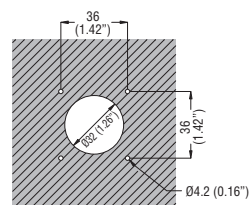
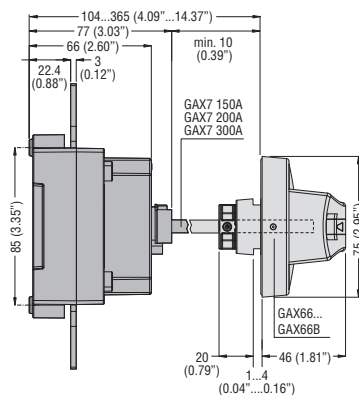
With auxiliary contact



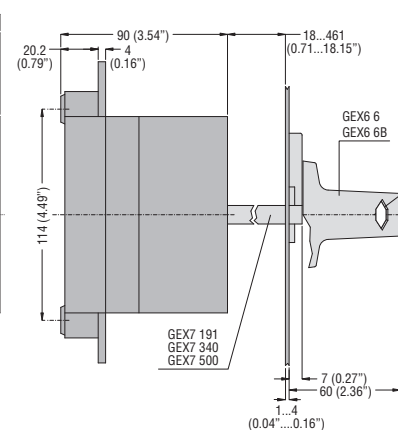
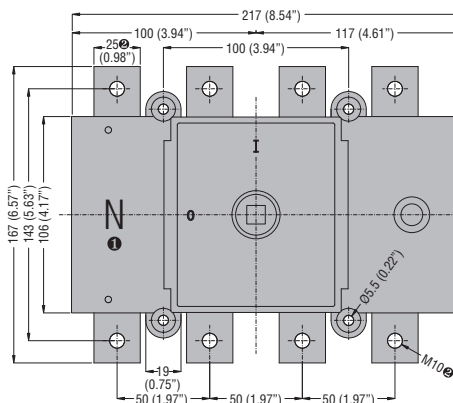
GE0200 T4 - GE0250 T4



Drilling

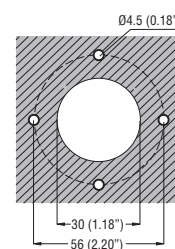
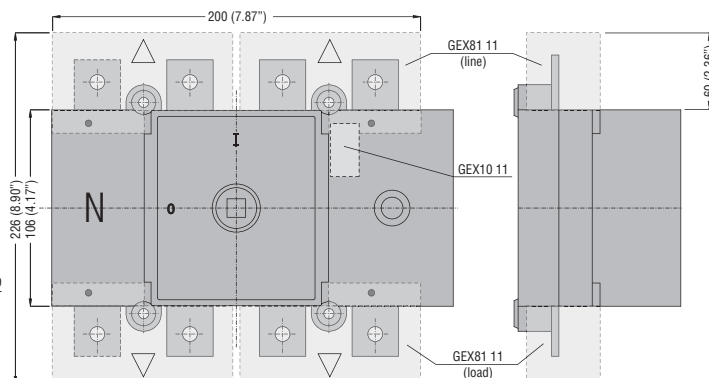


Door coupling version with handle
GEX6 6 - GEX6 6B

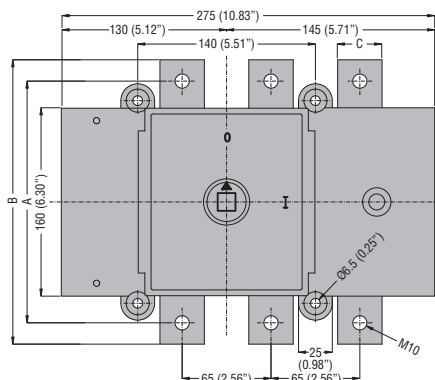


① Not indicated on GE... DT4 type.
② 20mm (0.79") and M8 for GE0125 DT4 type.

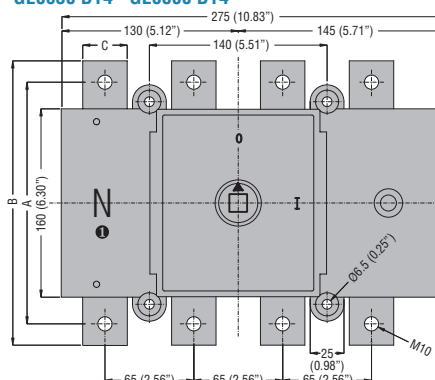
Drilling



GE0500 - GE0630 - GE0800

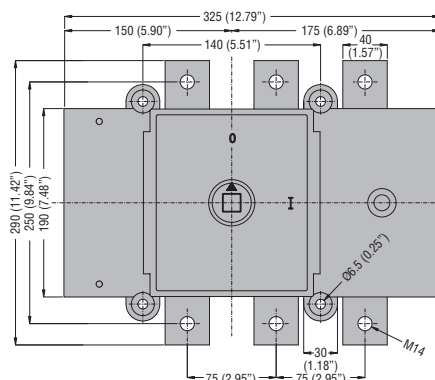


GE0500 T4 - GE0630 T4 - GE0800 T4
GE0630 DT4 - GE0800 DT4

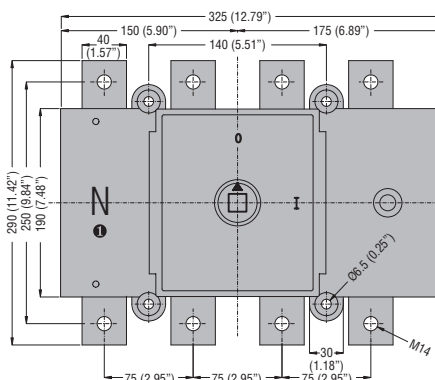


❶ Not indicated on GE... DT4 type.

GE1000 - GE1250

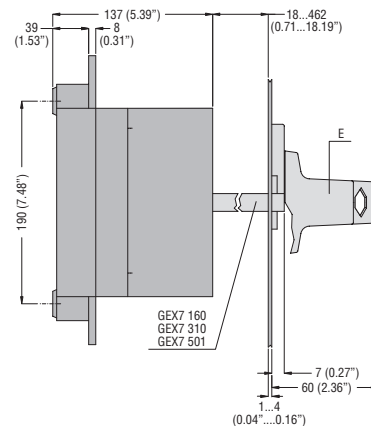
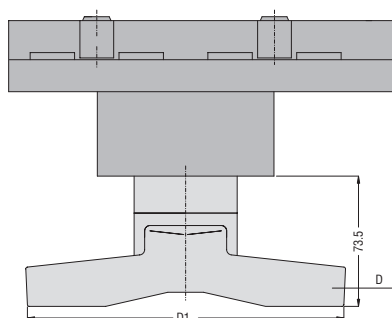


GE1000 T4 - GE1250 T4
GE1250 DT4

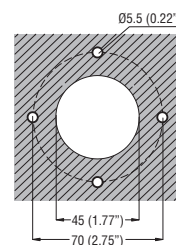


❶ Not indicated on GE... DT4 type.

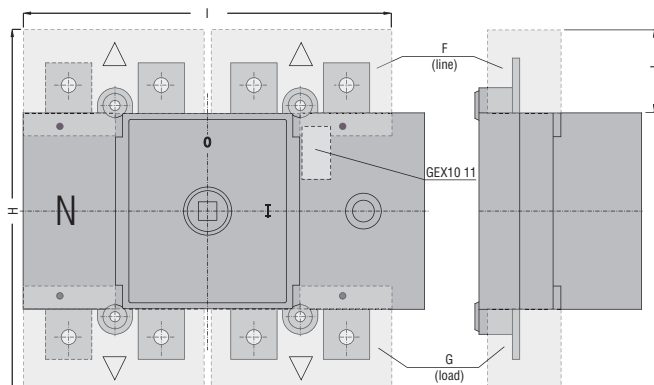
For GE0500 - GE0630 - GE0800 - GE1000 - GE1250 - GE0500 T4 - GE0630 DT4 - GE0630 T4 - GE0800 DT4 - GE0800 TE - GE1000 T4 - GE1250 DT4 - GE1250 T4
Direct operating version with handle GEX6 7D - GEX6 8D
Door coupling version with handle GEX6 7 - GEX6 7B / GEX6 8 - GEX6 8B



Drilling

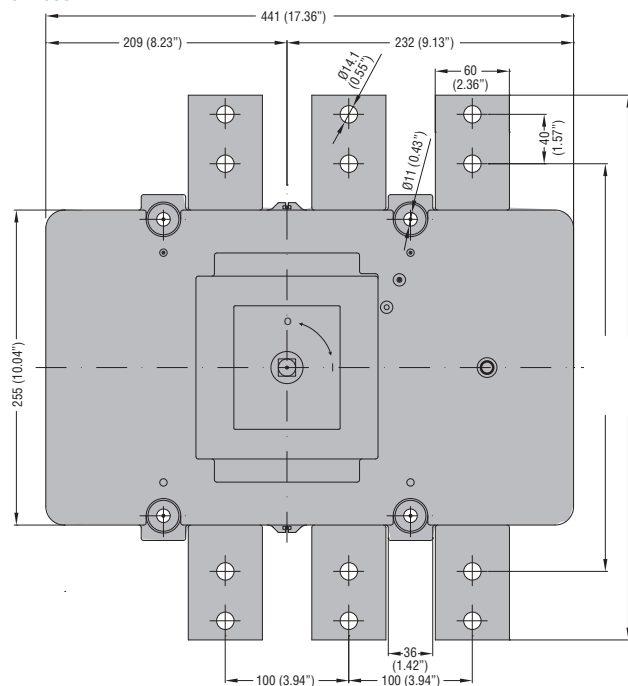


With terminal covers and auxiliary contact

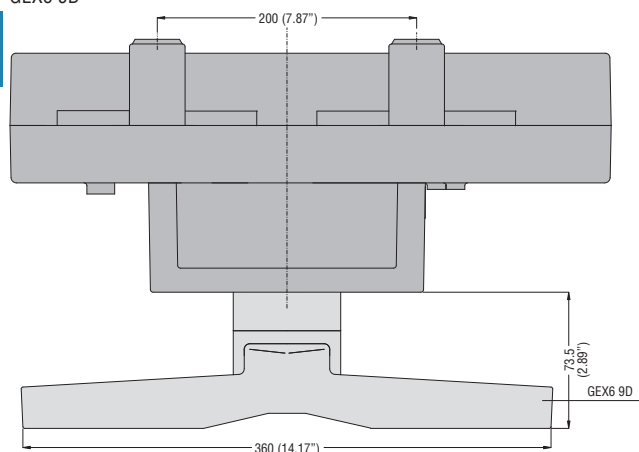


Type	A	B	C	D (Handle)	D1	E (Handle)	Terminal covers (N° of pcs/set)		H	I	J
							F (line)	G (load)			
GE0500	190 (7.48")	220 (8.66")	25 (0.98")								
GE0630	205 (8.07")	235 (9.25")	30 (1.18")	GEX6 7D	245 (9.64")	GEX6 7 GEX6 7B	GEX81 21 (2)	GEX81 21 (2)	290 (11.42")	200 (7.87")	65 (2.56")
GE0800	205 (8.07")	235 (9.25")	30 (1.18")								
GE1000	-	-	-	GEX6 8D	285 (11.22")	GEX6 8 GEX6 8B	GEX81 31 (2)	GEX81 31 (2)	340 (13.38")	300 (11.81")	75 (2.95")
GE1250	-	-	-								
GE0500 T4	190 (7.48")	220 (8.66")	25 (0.98")								
GE0630 DT4	205 (8.07")	235 (9.25")	30 (1.18")								
GE0630 T4	205 (8.07")	235 (9.25")	30 (1.18")	GEX6 7D	265 (10.43")	GEX6 7 GEX6 7B	GEX81 21 (2)	GEX81 21 (2)	290 (11.42")	200 (7.87")	65 (2.56")
GE0800 DT4	205 (8.07")	235 (9.25")	30 (1.18")								
GE0800 T4	205 (8.07")	235 (9.25")	30 (1.18")								
GE1000 T4	-	-	-	GEX6 8D	285 (11.22")	GEX6 8 GEX6 8B	GEX81 31 (2)	GEX81 31 (2)	340 (13.38")	300 (11.81")	75 (2.95")
GE1250 DT4	-	-	-								
GE1250 T4	-	-	-								

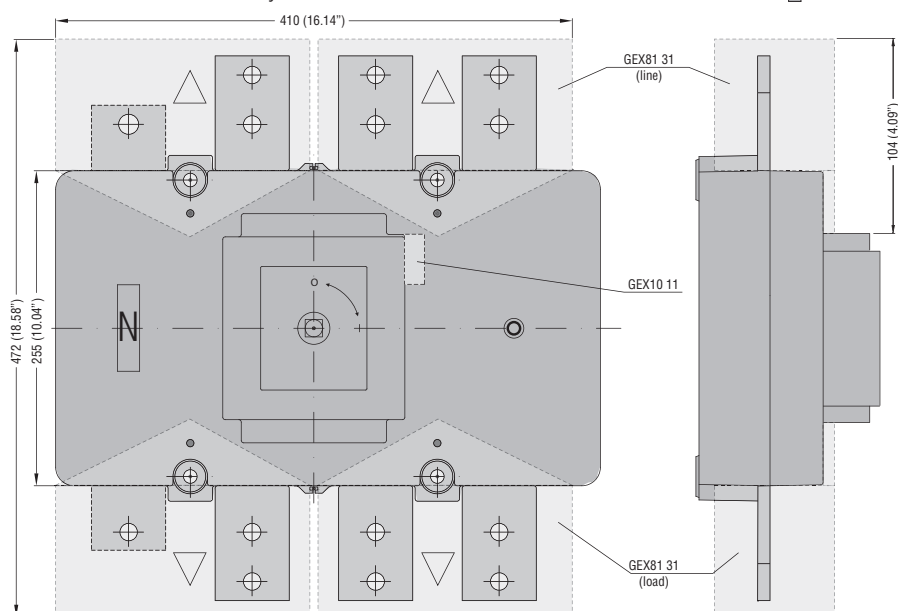
GE1600



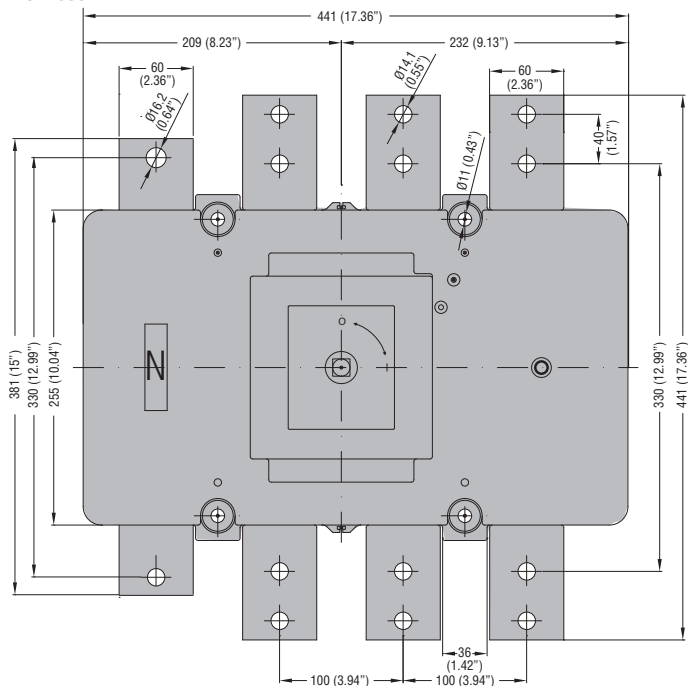
Direct operating version with handle
GEX6 9D



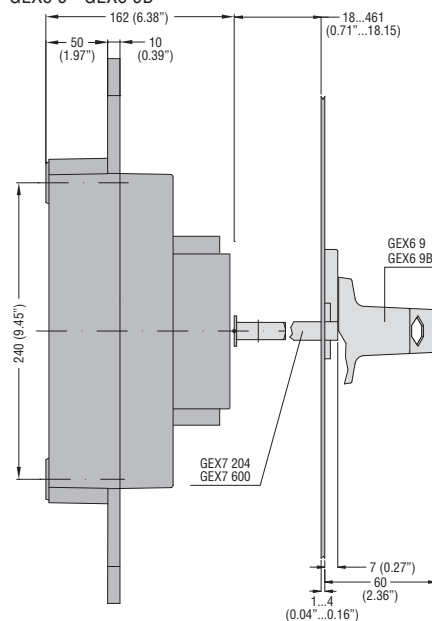
With terminal covers and auxiliary contact



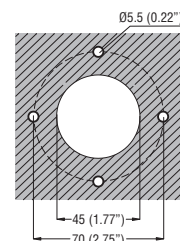
GE1600 T4



Door coupling version with handle
GEX6 9 - GEX6 9B

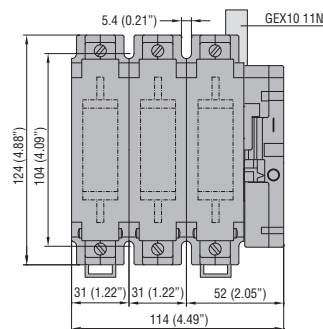


Drilling

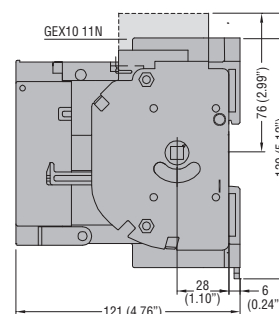
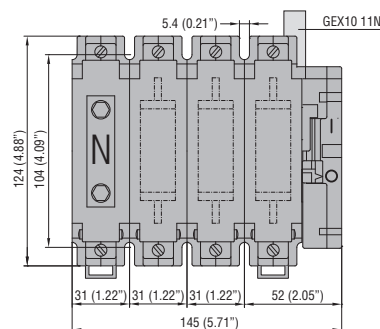


GE SERIES - 50A TO 800A SWITCH DISCONNECTORS WITH FUSE HOLDER

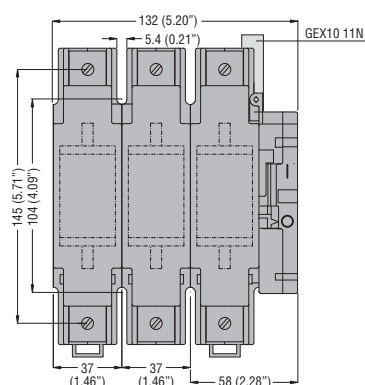
GE0050 F with auxiliary contact



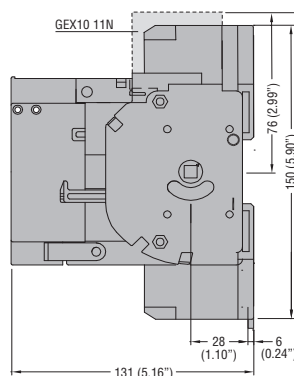
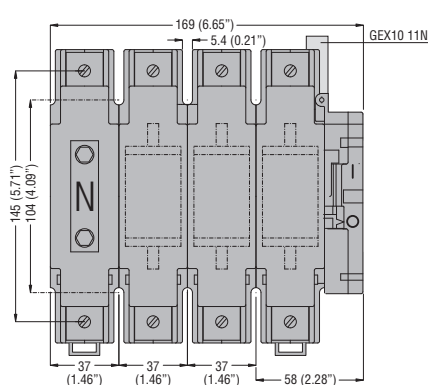
GE0050 FT4 with auxiliary contact



GE0125 F with auxiliary contact

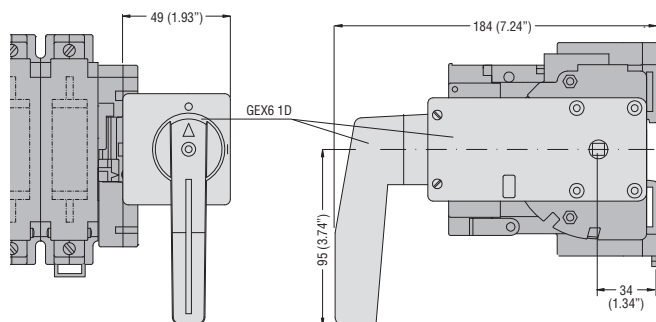


GE0125 FT4 with auxiliary contact



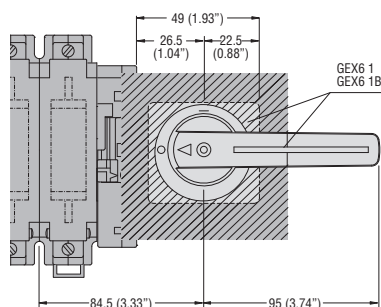
For GE0050 F - GE0050 FT4 - GE125 F - GE125 FT4

Direct operating version with handle GEX6 1D

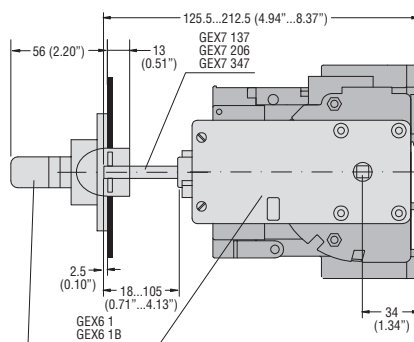
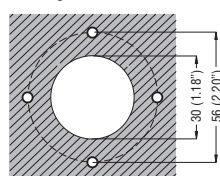


For GE0050 F - GE0050 FT4 - GE125 F - GE125 FT4

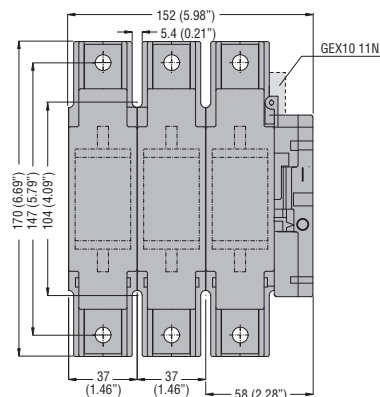
Door coupling version with handle GEX6 1 - GEX6 1B



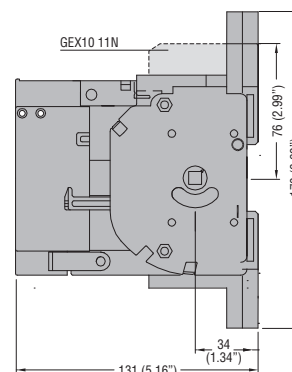
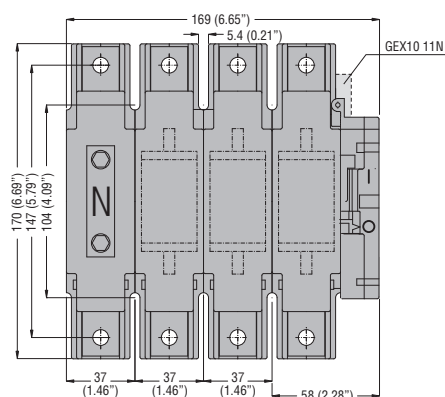
Drilling



GE0160 N with auxiliary contact

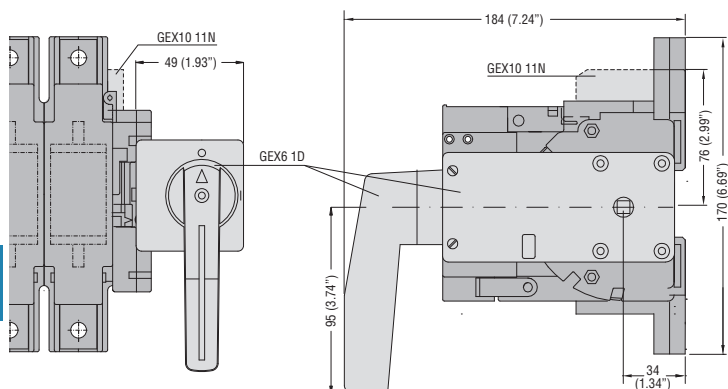


GE0160 NT4 with auxiliary contact



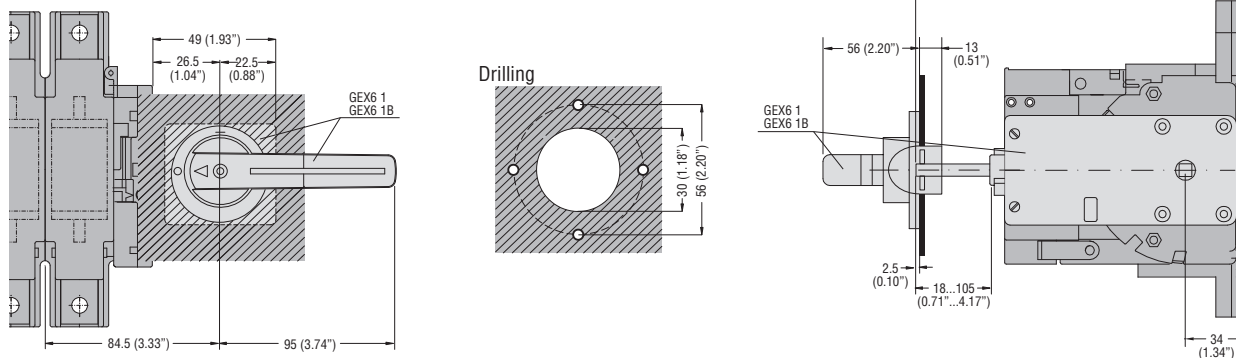
For GE0160 N - GE0160 NT4

Direct operating version with handle GEX6 1D

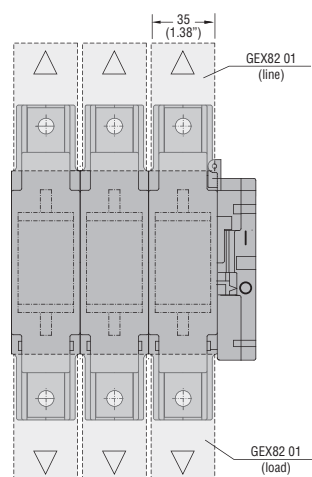


For GE0160 N - GE0160 NT4

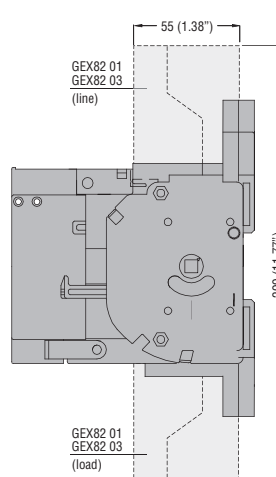
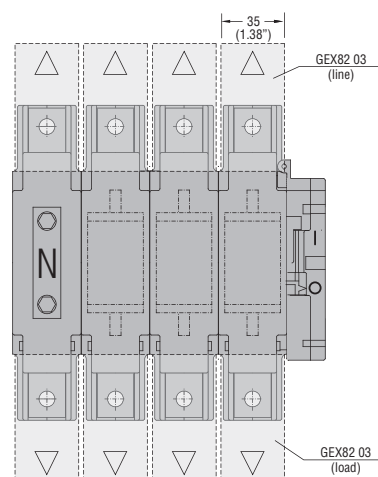
Door coupling version with handle GEX6 1 - GEX6 1B



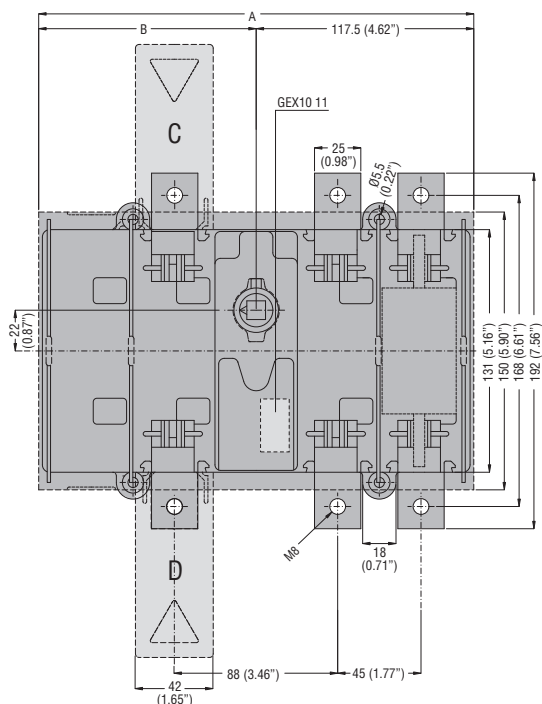
Terminal covers **GEX82 01** for GE0160 N



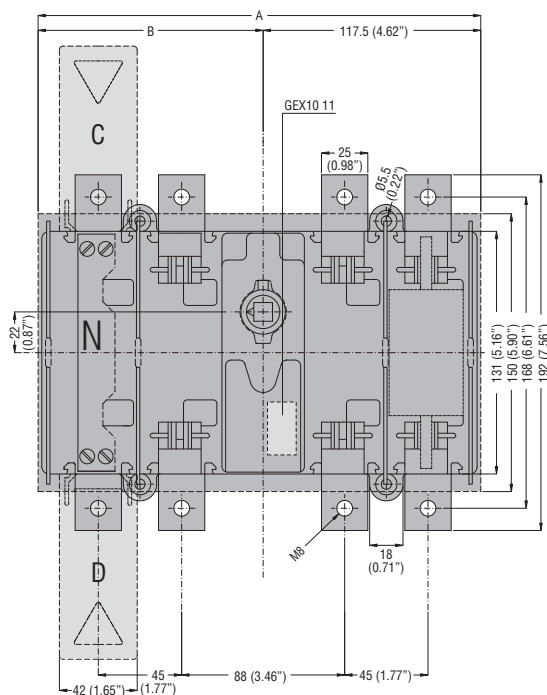
Terminal covers **GEX82 03** for GE0160 NT4



GE0161 N - GE0160 B - GE0200 B - GE0250 B
with terminal covers and auxiliary contact

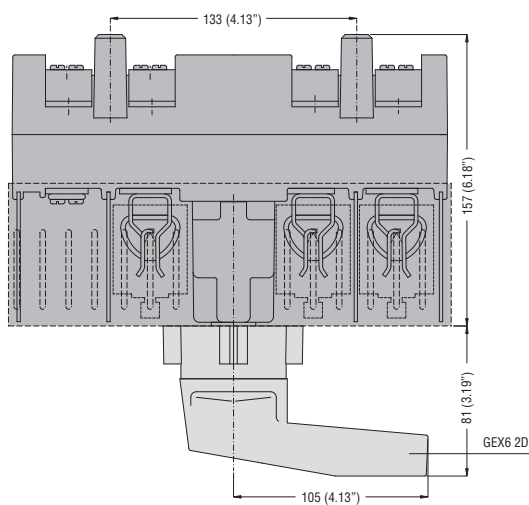


GE0161 NT4 - GE0160 BT4 - GE0200 BT4 - GE0250 BT4
with terminal covers and auxiliary contact

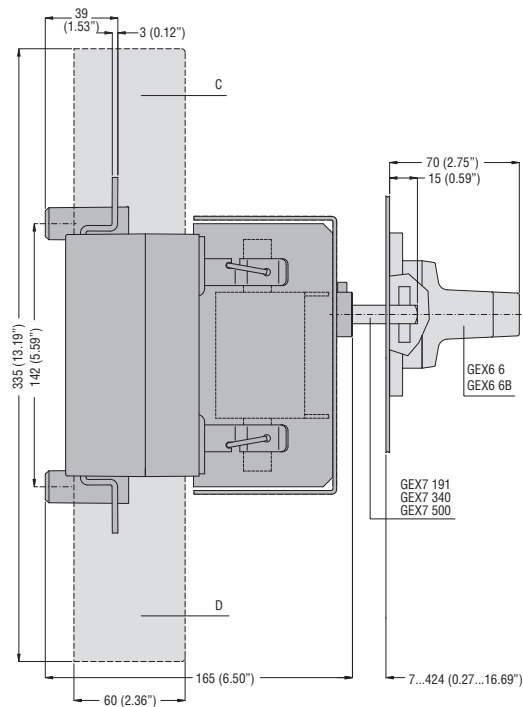


For GE0161 N - GE0160 B - GE0200 B - GE0250 B - GE0161 NT4 - GE0160 BT4 - GE0200 BT4 - GE0350 BT4

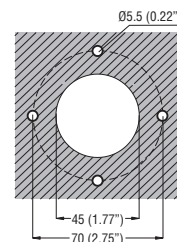
Direct operating version with handle GEX6 2D



Door coupling version with handle GEX6 6 - GEX6 6B and terminal covers

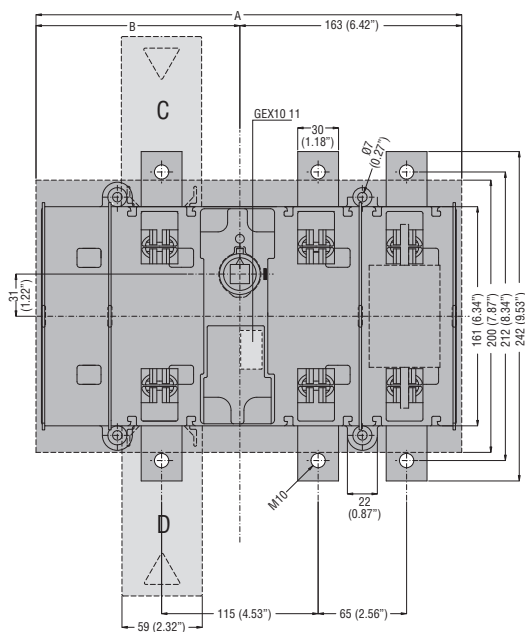


Drilling

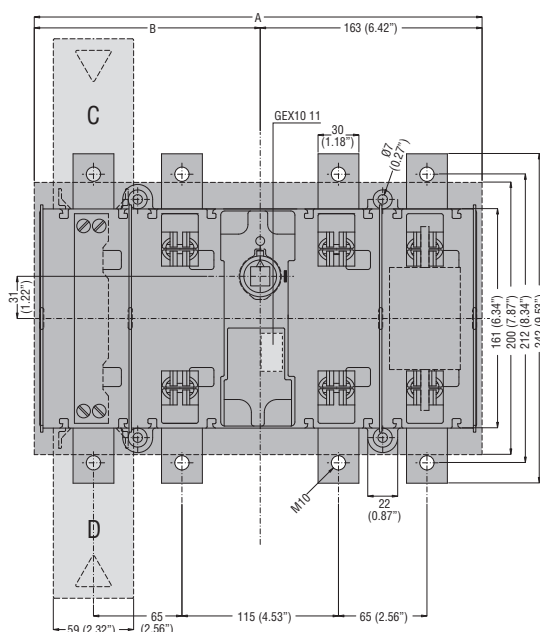


TYPE	A	B	C (line) (N° of pcs/set)	D (load) (N° of pcs/set)
GE0161 N - GE0160 B	200 (7.87")	82.5 (3.25")	GEX82 11 (3)	GEX82 12 (3)
GE0161 NT4 - GE0160 BT4	239 (9.41")	121.5 (4.78")	GEX82 13 (4)	GEX82 13 (4)
GE0200 B - GE0250 B	200 (7.87")	82.5 (3.25")	GEX82 11 (3)	GEX82 12 (3)
GE0200 BT4 - GE0250 BT4	239 (9.41")	121.5 (4.78")	GEX82 13 (4)	GEX82 13 (4)

GE0250 N - GE0400 N - GE0315 B - GE0400 B with terminal covers and auxiliary contact

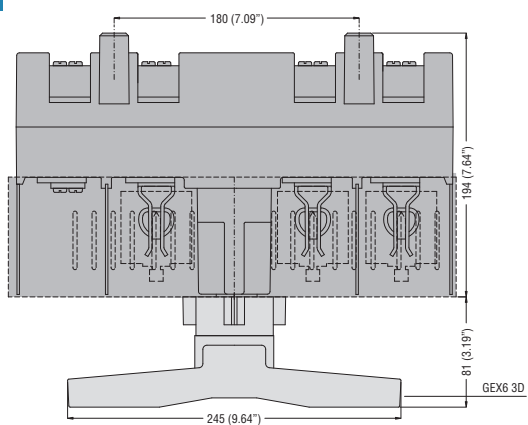


GE0250 NT4 - GE0400 NT4 - GE0315 BT4 - GE0400 BT4 with terminal covers and auxiliary contacts

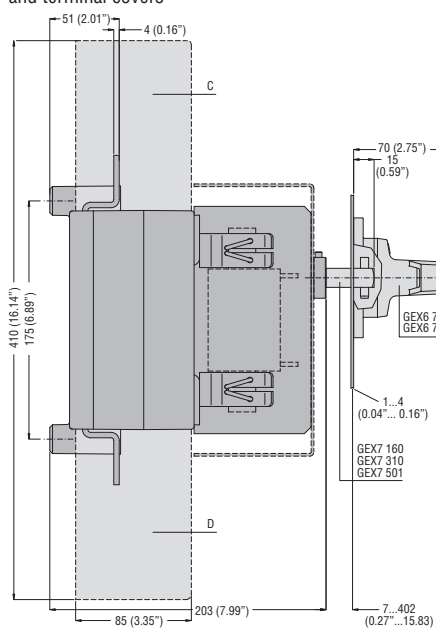


For GE0250 N - GE0400 N - GE0315 B - GE0400 B - GE0250 NT4 - GE0400 NT4 - GE0315 BT4 - GE0400 BT4

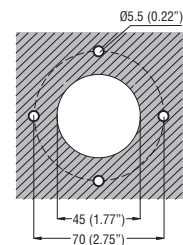
Direct operating version with handle GEX6 3D



Door coupling version with handle GEX6 7 - GEX6 7B and terminal covers



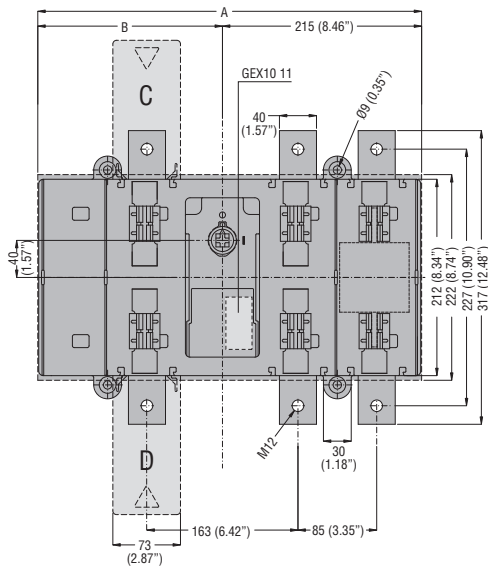
Drilling



TYPE	A	B	C (line) (N° of pcs/set)	D (load) (N° of pcs/set)
GE0250 N	274 (10.79")	111 (4.37")	GEX82 21 (3)	GEX82 22 (3)
GE0250 NT4	329 (12.95")	166 (6.53")	GEX82 23 (4)	GEX82 23 (4)
GE0400 N	274 (10.79")	111 (4.37")	GEX82 21 (3)	GEX82 22 (3)
GE0400 NT4	329 (12.95")	166 (6.53")	GEX82 23 (4)	GEX82 23 (4)
GE0315 B	274 (10.79")	111 (4.37")	GEX82 21 (3)	GEX82 22 (3)
GE0315 BT4	329 (12.95")	166 (6.53")	GEX82 23 (4)	GEX82 23 (4)
GE0400 B	274 (10.79")	111 (4.37")	GEX82 21 (3)	GEX82 22 (3)
GE0400 BT4	329 (12.95")	166 (6.53")	GEX82 23 (4)	GEX82 23 (4)

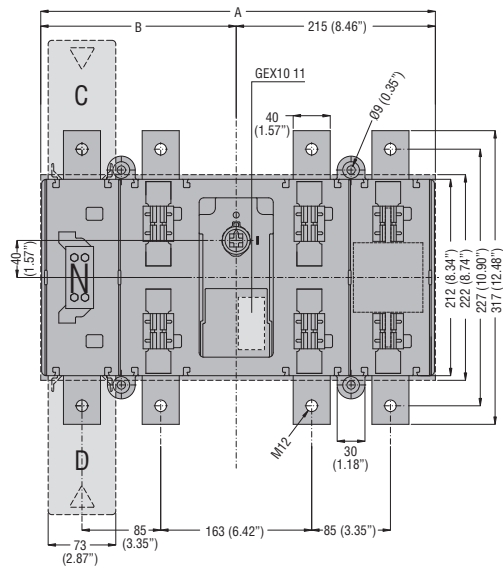
GE0630 N - GE0630 B

with terminal covers and auxiliary contact



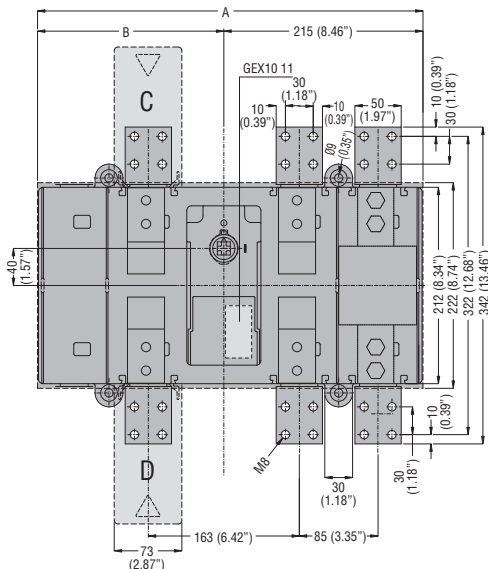
GE0630 NT4 - GE0630 BT4

with terminal covers and auxiliary contact



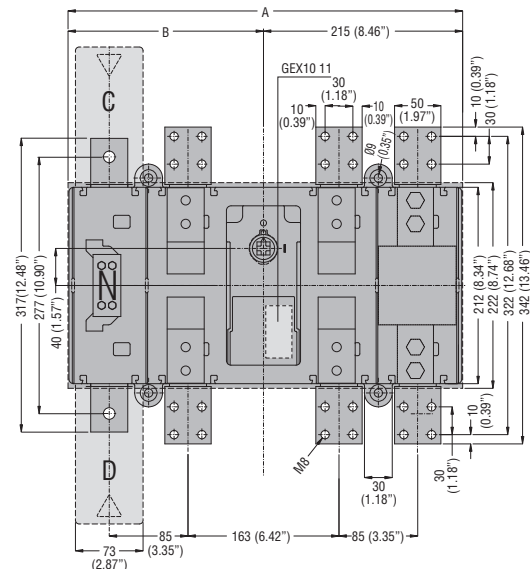
GE0800 N - GE0800 B

with terminal covers and auxiliary contact



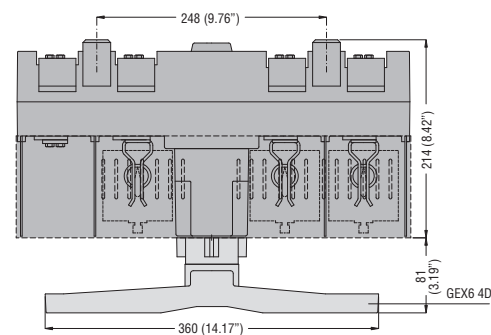
GE0800 NT4 - GE0800 BT4

with terminal covers and auxiliary contact

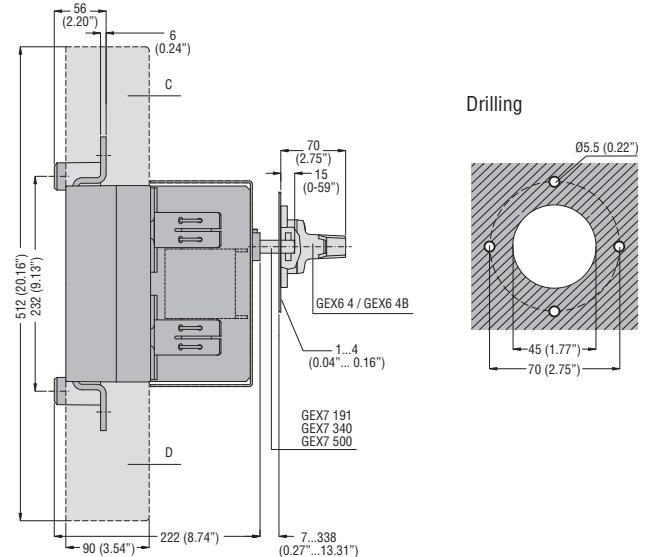


For GE0630 N - GE0630 B - GE0630 NT4 - GE0630 BT4 - GE0800 N - GE0800 B - GE0800 NT4 - GE0800 BT4

Direct operating version with handle GEX6 4D



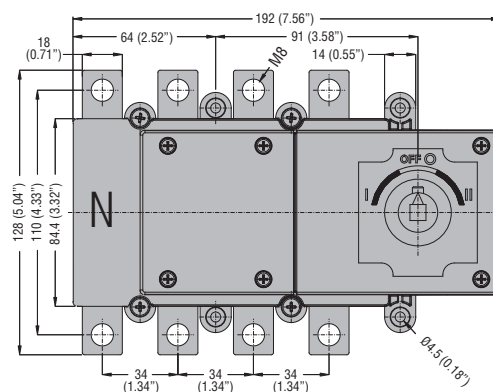
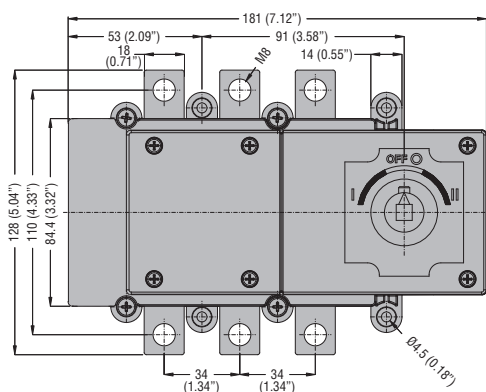
Door coupling handle GEX6 4 - GEX6 4B and terminal covers



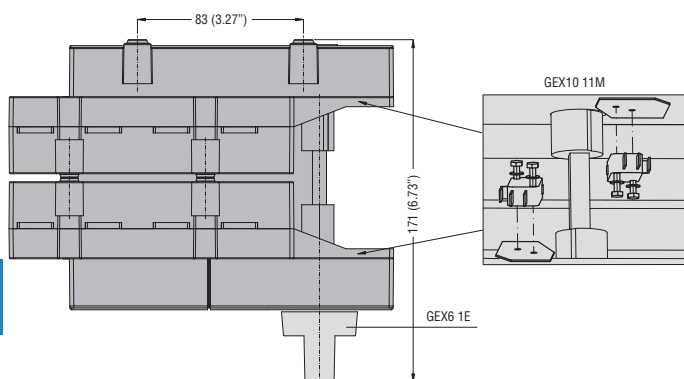
TYPE	A	B	C (line) (N° of pcs/set)	D (load) (N° of pcs/set)
GE0630 N - GE0630 B	381 (15")	166 (6.53")	GEX82 31 (3)	GEX82 32 (3)
GE0630 NT4 - GE0630 BT4	426 (16.77")	211 (8.31")	GEX82 33 (4)	GEX82 33 (4)
GE0800 N - GE0800 B	381 (15")	166 (6.53")	GEX82 31 (3)	GEX82 32 (3)
GE0800 NT4 - GE0800 BT4	426 (16.77")	211 (8.31")	GEX82 33 (4)	GEX82 33 (4)

GE SERIES - 160A TO 1600A CHANGEOVER SWITCHES GE0160 E

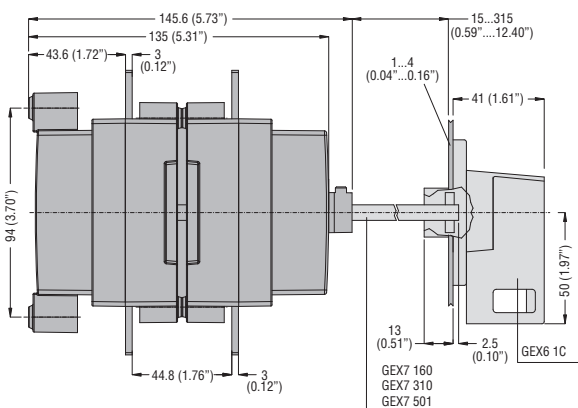
GE0160 ET4



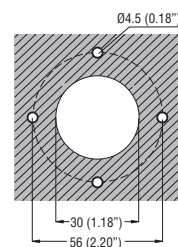
Direct operating version with handle GEX6 1E and auxiliary contacts



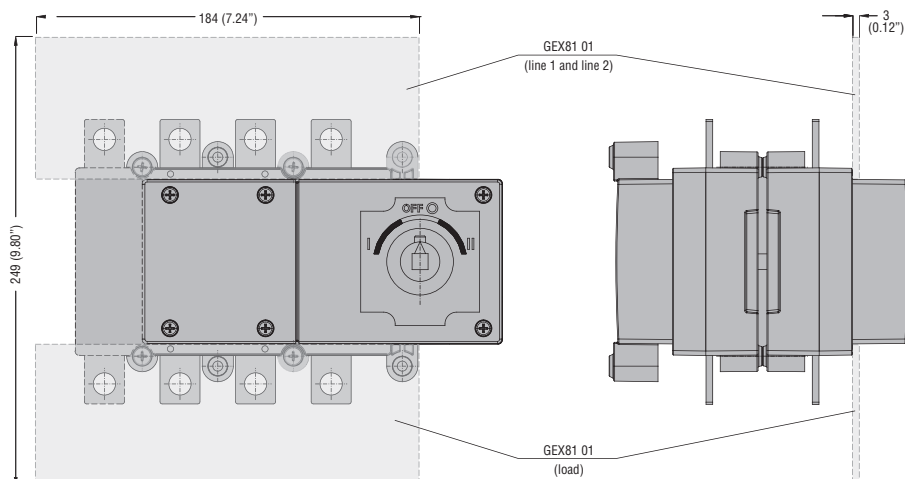
Door coupling version with handle GEX6 1C



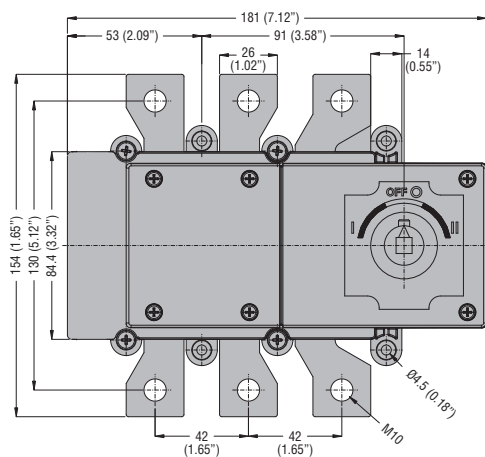
Drilling



Terminal covers

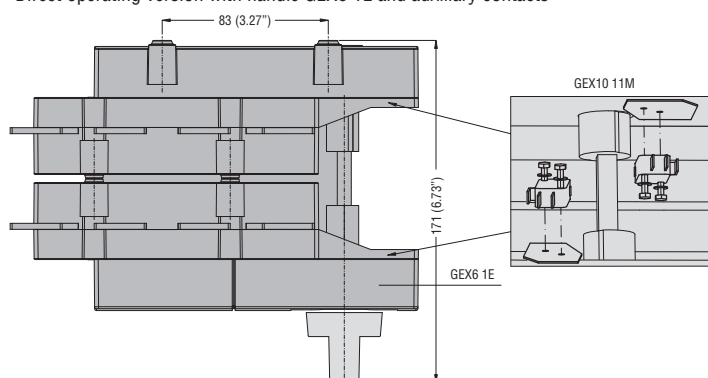
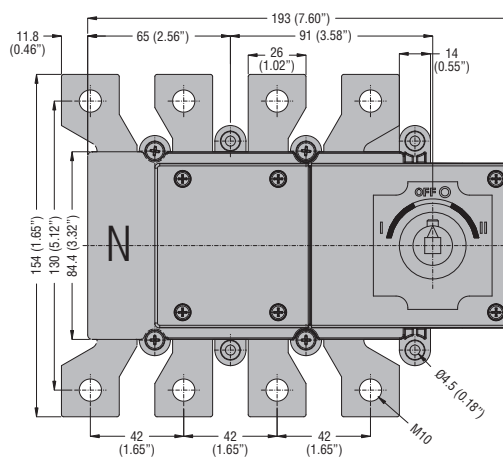


GE0200 E

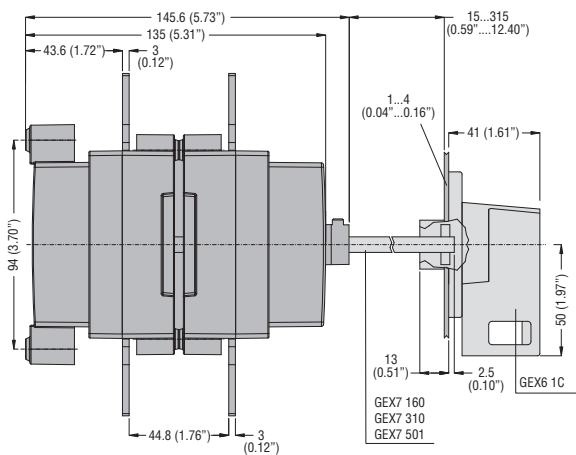


Direct operating version with handle GEX6 1E and auxiliary contacts

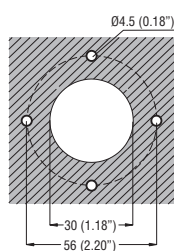
GE0200 ET4



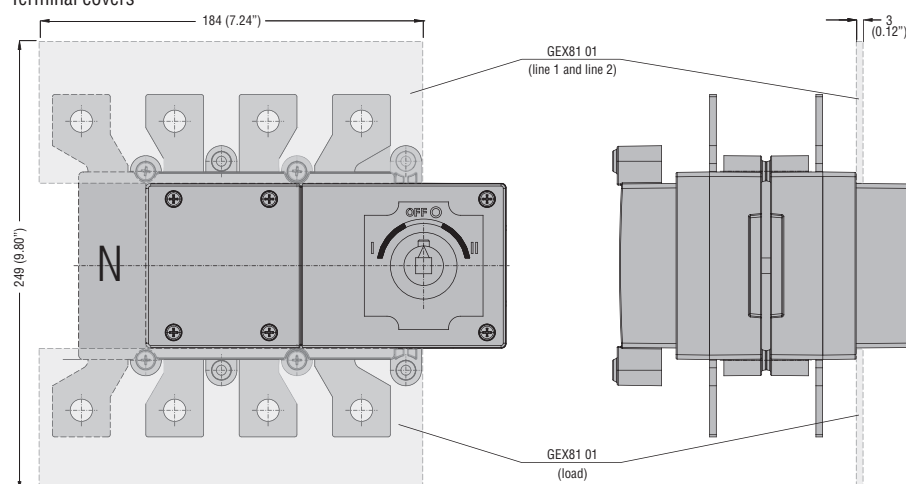
Door coupling version with handle GEX6 1C



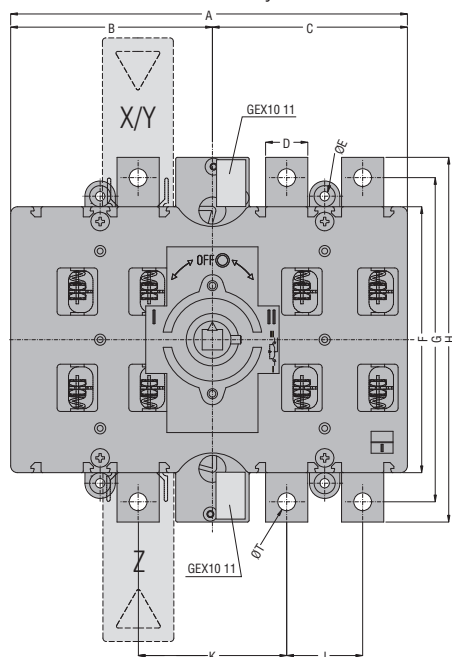
Drilling



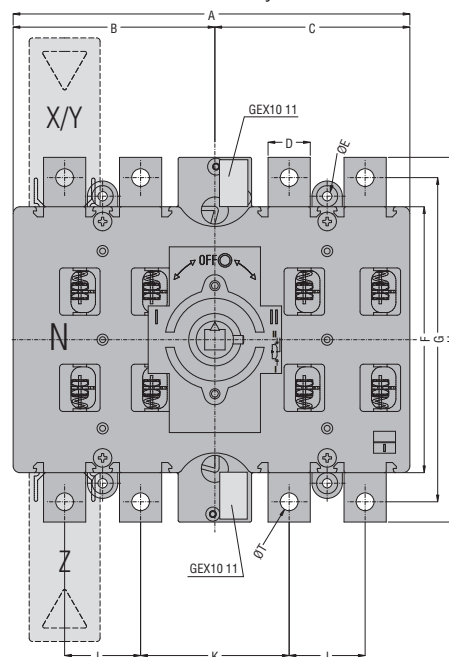
Terminal covers



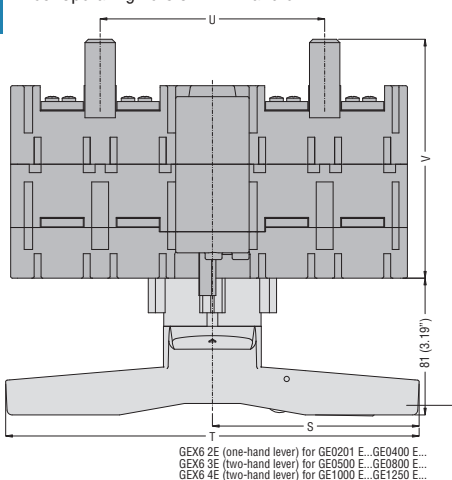
GE0201 E - GE0250 E - GE0315 E - GE0400 E -
GE0500 E - GE0630 E - GE0800 E - GE1000 E - GE1250 E
with terminal covers and auxiliary contacts



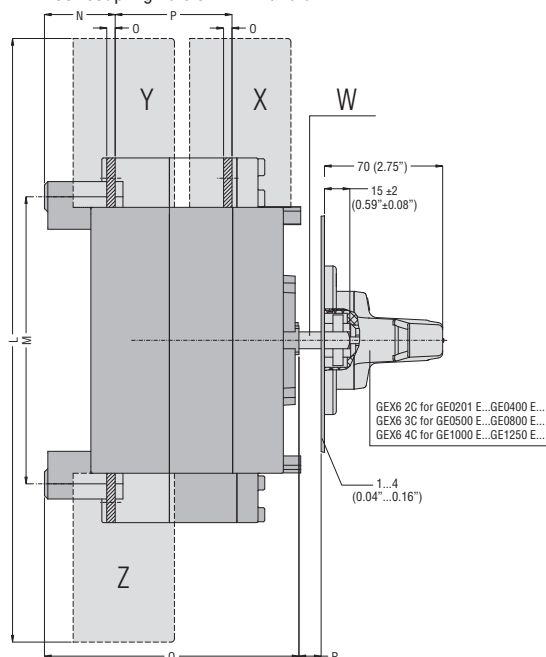
GE0201 ET4 - GE0250 ET4 - GE0315 ET4 - GE0400 ET4 -
GE0500 ET4 - GE0630 ET4 - GE0800 ET4 - GE1000 ET4 - GE1250 ET4
with terminal covers and auxiliary contacts



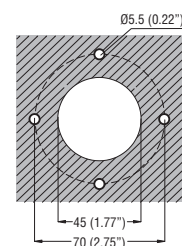
For GE0201 E - GE0250 E - GE0315 E - GE0400 E - GE0201 ET4 - GE0250 ET4 - GE0315 ET4 - GE0400 ET4
GE0500 E - GE0630 E - GE0800 E - GE1000 E - GE1250 E - GE0500 ET4 - GE0630 ET4 - GE0800 ET4 - GE1000 ET4 - GE1250 ET4
Direct operating version with handle



Door coupling version with handle

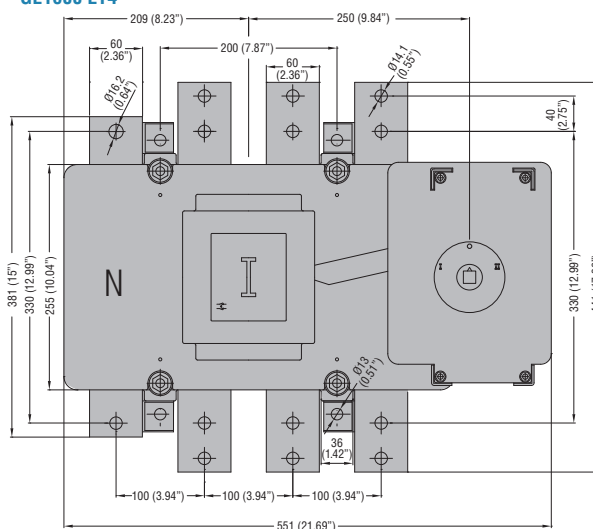


Drilling

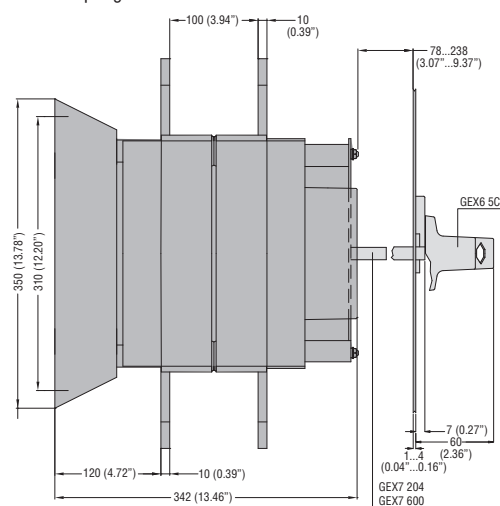


TYPE	A	B	C	D	ØE	F	G	H	J	K	L	M	N	O	P	Q	R		S	T	Ø T	U	V	Shaft extension W	Terminal covers (N° of pcs/set)		
																	Min	Max							X (line 1)	Y (line 2)	Z (load)
GE0201 E GE0250 E GE0315 E GE0400 E	235 (9.25)	119.5 (4.70)	115.5 (4.55)	25 (0.98)	5.5 (0.22)	157 (6.18)	192 (7.56)	216 (8.50)	45 (1.77)	88 (3.46)	357 (14.05)	170 (6.69)	42 (1.65)	3 (0.12)	67 (2.64)	151 (5.94)	7 (0.27)	420 (16.53)	105 (4.13)	—	M10	133 (5.24)	142 (5.59)	GEX7 191 GEX7 340 GEX7 500	GEX82 12 (3)	GEX82 11 (3)	GEX83 12 (3)
GE0201 ET4 GE0250 ET4 GE0315 ET4 GE0400 ET4																									GEX82 13 (4)	GEX82 13 (4)	GEX83 12 (4)
GE0500 E GE0630 E GE0800 E	321 (12.63)	162 (6.38)	159 (6.26)	40 (1.57)	7 (0.27)	232 (9.13)	282 (11.10)	312 (12.28)	65 (2.56)	121 (4.73)	482 (18.98)	247 (9.72)	46 (1.81)	5 (0.20)	87 (3.42)	180 (7.09)	7 (0.27)	400 (15.74)	—	245 (9.64)	M12	186 (7.32)	171 (6.73)	GEX7 160 GEX7 310 GEX7 501	GEX82 22 (3)	GEX82 21 (3)	GEX83 21 (3)
GE0500 ET4 GE0630 ET4 GE0800 ET4																									GEX82 23 (4)	GEX82 22 (4)	GEX83 22 (4)
GE1000 E GE1250 E	424 (16.69)	210 (8.27)	214 (8.42)	50 (1.97)	9 (0.35)	295 (11.61)	375 (14.76)	419 (16.50)	85 (3.35)	163 (6.42)	595 (23.42)	315 (12.40)	57 (2.24)	6 (0.24)	88 (3.46)	208 (8.19)	7 (0.27)	400 (15.74)	—	360 (14.17)	M14	248 (9.76)	19 (0.75)		GEX82 32 (3)	GEX82 31 (3)	GEX83 31 (3)
GE1000 ET4 GE1250 ET4																									GEX82 33 (4)	GEX82 33 (4)	GEX83 32 (4)

GE1600 ET4



Door coupling version with handle GEX6 5C



The drawing shows a side view of the GEX10 11M machine, which is a large, rectangular, multi-layered structure. It features a central vertical column and two horizontal arms extending from the top. A detailed view of the GEX10 11M component is shown on the right, highlighting its internal structure and the GEX10 11M label.

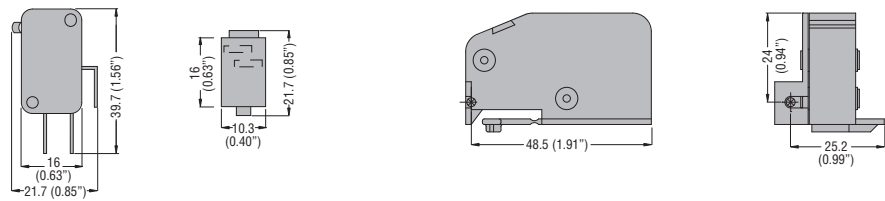
Technical drawing of the GEX81 41 terminal cover, showing top, front, and side views.

Top View: Shows the terminal cover with a central square terminal block labeled 'N' and a circular component labeled '1'. The cover is labeled 'GEX81 41 (line 1 - 2 pcs/set)'.

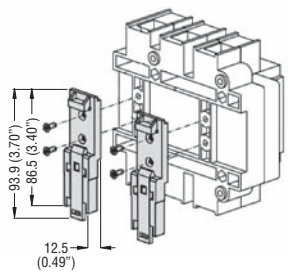
Front View: Shows the front of the terminal cover, featuring a large rectangular cover and a circular component labeled '1'.

Side View: Shows the side profile of the terminal cover, with a height dimension of 472 (±0.63). The cover is labeled 'GEX81 41 (load - 2 pcs/set)'.

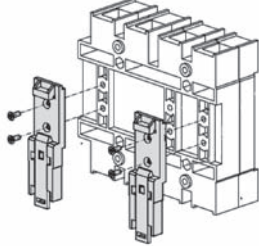
GE SERIES - ADD-ON BLOCKS AND ACCESSORIES
Auxiliary contacts
GEX10 11 - GEX10 11M



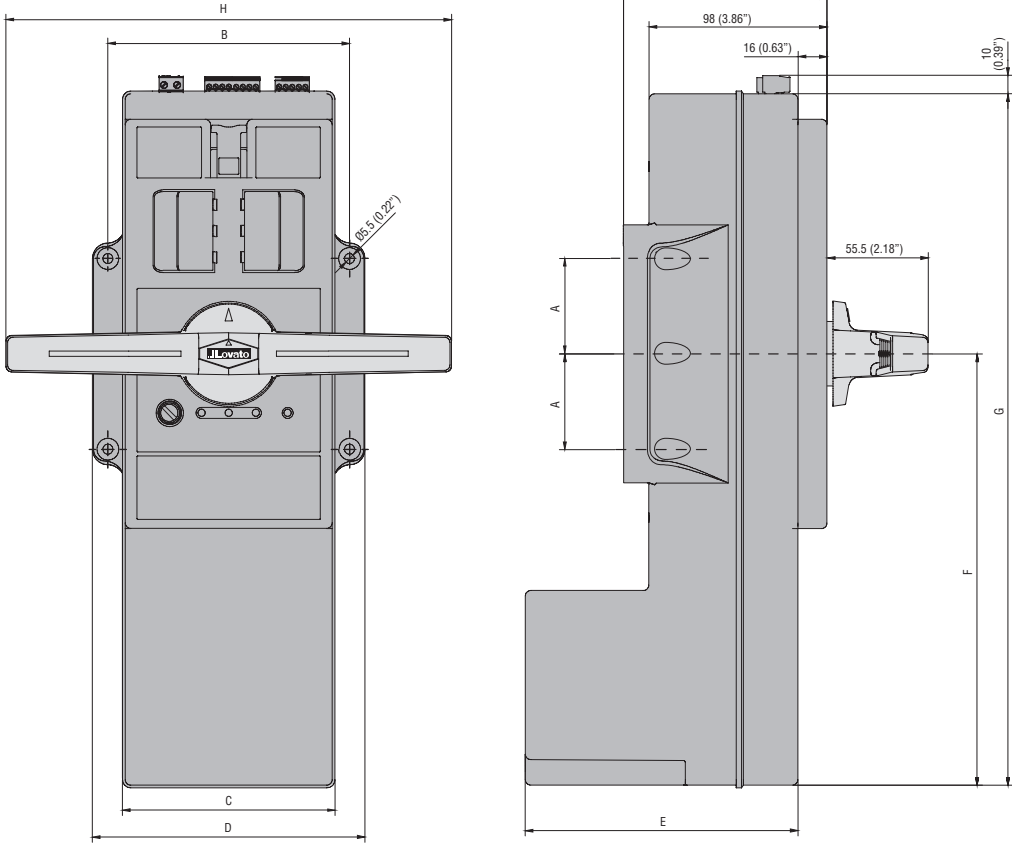
35mm DIN rail adapter kit GEX89 00
For GE0160 P



For GE0160 T4P - GE0160 DT4P



Motorised control unit
GEX69 1 - GEX69 2 - GEX69 3

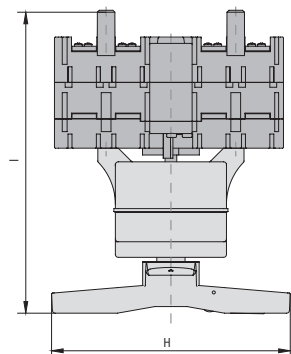
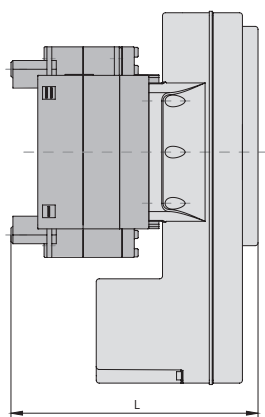
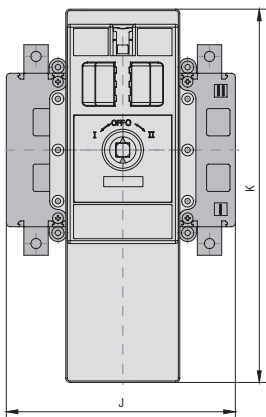


Type	A	B	C	D	E	F	G	H	Handle
GEX69 1	52.5 (2.07")	133 (5.24")	117 (4.61")	150 (5.90")	150 (5.90")	237 (9.33")	380 (14.96")	245 (9.64")	GEX6 2E
GEX69 2	88.5 (3.48")	167 (6.57")	153 (6.02")	184 (7.24")	172 (6.77")	312 (12.28")	455 (17.91")	360 (14.17")	GEX6 3E
GEX69 3	88.5 (3.48")	167 (6.57")	153 (6.02")	184 (7.24")	172 (6.77")	312 (12.28")	455 (17.91")	360 (14.17")	❶

❶ GEX6 4E for GE1000 E... and GE1250 E... types; GEX6 9D for GE1600 E... types.

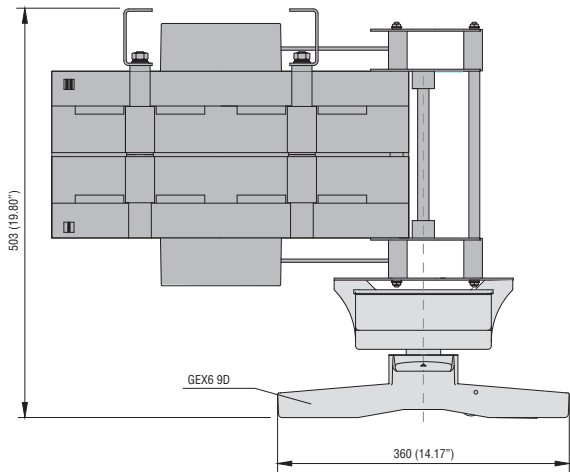
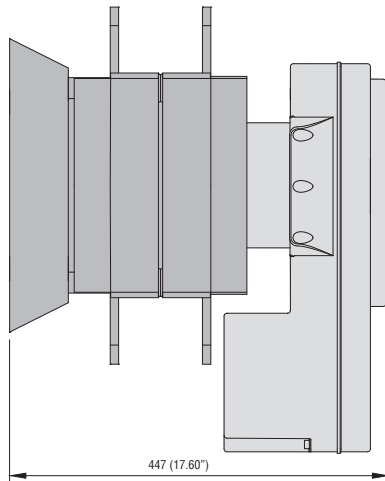
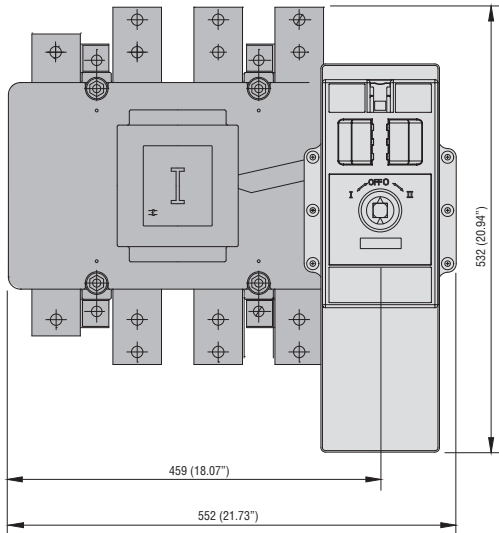
Switch disconnectors Dimensions [mm (in)]

GEX69 1 for GE0201 E - GE0201 ET4 - GE0250 E - GE0250 ET4 - GE0315 E - GE0315 ET4 - GE0400 E - GE0400 ET4
 GEX69 2 for GE0500 E - GE0500 ET4 - GE0630 E - GE0630 ET4 - GE0800 E - GE0800 ET4
 GEX69 3 for GE1000 E - GE1000 ET4 - GE1250 E - GE1250 ET4



Type	H	I	J	K	L	Handle
GEX69 1	245 (9.64")	310 (12.20")	235 (9.25")	383 (15.08")	254 (10")	GEX6 2E
GEX69 2	360 (14.17")	339 (13.35")	321 (12.64")	468 (18.42")	283 (11.14")	GEX6 3E
GEX69 3	360 (14.17")	367 (14.45")	424 (16.69")	522 (20.55")	311 (12.24")	GEX6 4E

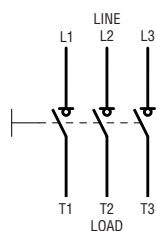
GEX69 3 mounted on GE1600 E - GE1600 ET4



GE SERIES - 16A TO 125A SWITCH DISCONNECTORS

Three-pole disconnectors

GAX...



Fourth pole add on

GAX42...



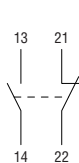
GAX41...



ADD-ON BLOCKS AND ACCESSORIES

Auxiliary contacts

GAX10...



GAX11... - GAX12...



Neutral terminal

GAX31... - GAX32...



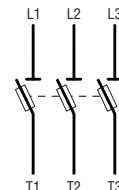
Earth terminal

GAX33... - GAX34...



Fuse holder

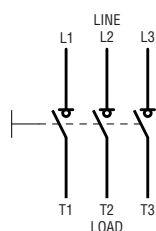
GAX39 1



GE SERIES - 50A TO 1600A SWITCH DISCONNECTORS

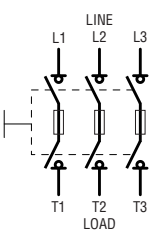
Three-pole disconnectors

GE0160 - GE1600
GE0160 P



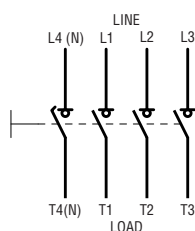
Three-pole disconnectors with fuse holders

GE0050 F - GE0125 F
GE0160 N - GE0800 N
GE0160 B - GE0800 B



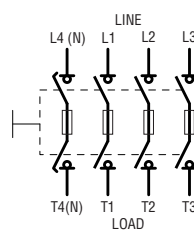
Four-pole disconnectors

GE0160 T4 - GE1600 T4
GE0160 T4P



Four-pole disconnectors with fuse holders

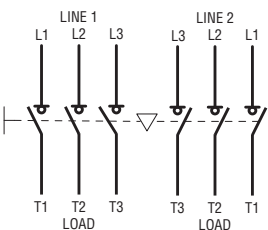
GE0050 FT4 - GE0125 FT4
GE0160 NT4 - GE0800 NT4
GE0160 BT4 - GE0800 BT4



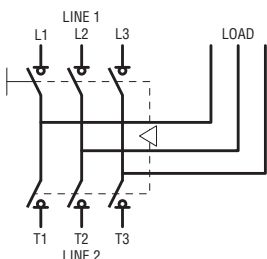
160A TO 1600A CHANGEOVER SWITCHES

Three-pole switches

GE0160 E - GE0200 E

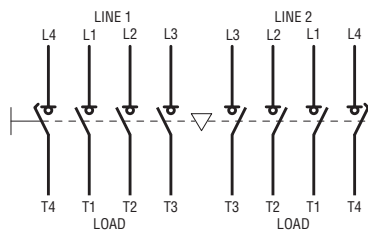


GE0201 E - GE1600 E

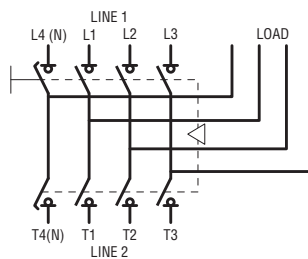


Four-pole switches

GE0160 ET4 - GE0200 ET4



GE0201 ET4 - GE1600 ET4



ADD-ON BLOCKS AND ACCESSORIES

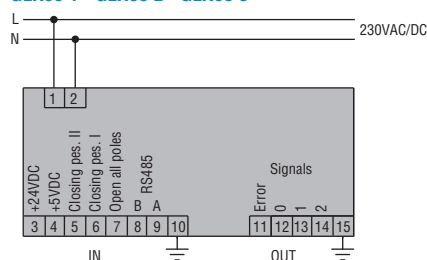
Auxiliary contacts

GEX10 11 - GEX10 11M - GEX10 11N



Motorised control unit

GEX69 1 - GEX69 2 - GEX69 3

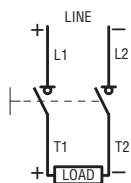


FOR PHOTOVOLTAIC APPLICATIONS

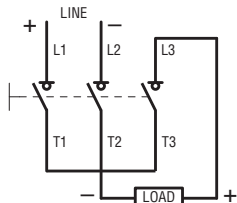
GE SERIES - with **GA...D** types

One-line control

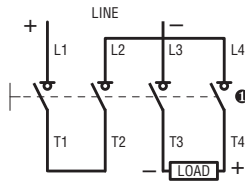
2 poles in series



3 poles in series

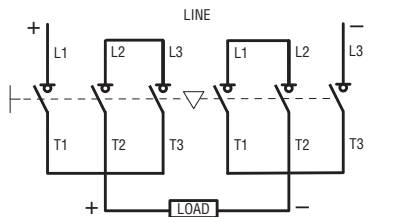


4 poles in series

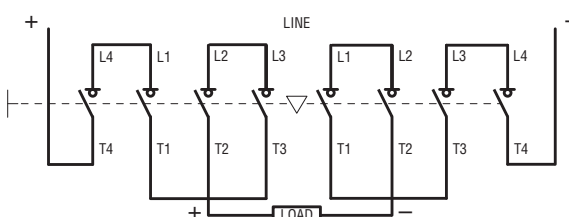


❶ The positive pole of the load is connected to the fourth pole of the switch disconnector on the right. If it is to be connected on the left, wiring needs to change accordingly.

6 poles in series

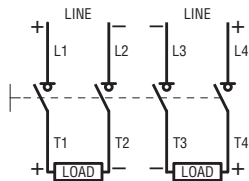


8 poles in series



Two-line control

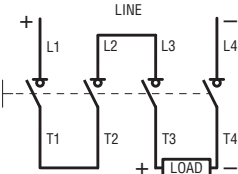
2+2 poles in series



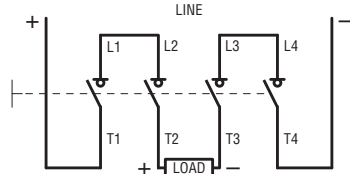
GE SERIES - with **GE...DT4** and **GE0160 DT4P** types

One-line control

4 poles in series



4 (2+2) poles in series



Switch disconnectors

Technical characteristics

GA series 16A to 125A

TYPE		3-pole	GA016...	GA025...	GA032...	GA040...	GA063 SA	GA063...	GA080...	GA100...	GA125...
		4th-pole	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 040...	GAX42 063SA	GAX42 063...	GAX42 080...	GAX42 100...	GAX42 125...
CONTACT CHARACTERISTICS											
IEC conventional free air thermal current I _{th} (≤40°C)		A	16	25	32	40	63	63	80	100	125
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
	500V	A	16	25	32	40	63	63	80	100	125
	690V	A	16	25	32	40	63	63	80	100	125
AC22A	400V	A	16	25	32	40	45	63	80	100	125
	500V	A	16	25	32	40	45	63	80	100	125
	690V	A	16	25	32	40	45	63	80	100	125
AC23A	400V	A	16	25	32	40	45	63	80	100	125
	500V	A	16	25	25	25	25	63	63	80	100
	690V	A	16	25	25	25	25	47	47	47	47
IEC rated operational power											
AC23A	400V	kW	7.5	11	15	18.5	22	30	45	55	55
	690V	kW	11	22	22	22	22	45	45	45	45
IEC reactive power for capacitor control 400V		kvar	7.5	10	12.5	15	15	25	30	40	50
IEC protection against short-circuit											
Rated short-time withstand current (1s) I _{cs}		A rms	800					2500			
Rated conditional short-circuit current		kA rms	50								
With fuse class gG		A	16	25	32	40	63	63	80	100	125
IEC making capacity (AC23A 400V)		A	400				450	1250			
IEC breaking capacity (AC23A 400V)		A	320				360	1000			
Mechanical life		cycles	100,000				100,000	30,000			
Electrical life (IEC AC21A)		cycles	100,000				15,000	30,000			
UL/CSA general use at 600V		A	16	25	32	40	50	60	100	100	100
UL/CSA short-circuit rating at 600V		kA	5	5	5	5	5	10	10	10	10
UL/CSA fuse class/max rating at 600V		Type/A	RK5/20	RK5/30	RK5/35	RK5/45	RK5/45	–/100	–/100	–/100	–/100
UL/CSA HP ratings	120V	HP	1	1½	2	2	3	3	3	5	7½
	Single phase 240V	HP	2	3	5	5	7½	7½	10	10	10
	Three phase 200-208V	HP	5	7½	10	10	10	20	25	30	25
	240V	HP	5	7½	10	15	15	20	30	30	30
	480V	HP	10	15	20	20	30	40	40	50	50
	600V	HP	10	20	20	25	30	40	40	60	40
Terminals 		Type	Lug clamp❶								
		A mm	5.6 (0.22")						12.4 (0.49")		
		B mm	6.5 (0.26")						10.4 (0.41")		
		Screw	M4						M8		
		Tool	Phillips 2						Metric Allen key 4		
		Tightening torque min...max	Nm	1.8...2						5...6	
	lbin	16...18						45...54			
Conductor section min...max (flexible/stranded)		mm²	0.75...16						4...50		
		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)								

❶ IEC/EN 60947-1 designation: Pillar terminal.



Switch disconnectors

Technical characteristics

GE series 160A to 1600A - Three and four-pole switch disconnectors

TYPE	3-pole	GE0160P GE0160	GE0200	GE0250	GE0251	GE0315	GE0400	GE0500	GE0630	GE0800	GE1000	GE1250	GE1600
	4-pole ⑤	GE0160 T4P GE0160 T4	GE0200 T4	GE0250 T4	GE0251 T4	GE0315 T4	GE0400 T4	GE0500 T4	GE0630 T4	GE0800 T4	GE1000 T4	GE1250 T4	GE1600 T4

CONTACT CHARACTERISTICS

Conventional free air current I _{th} (≤40°C)		A	160	200	250	250	315	400	500	630	800	1000	1250	1600	
Rated insulation voltage U _i		V	1000												
Rated impulse withstand voltage U _{imp}		kV	8						12						
Rated operational current I _e															
AC21A	400V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	500V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	690V	A	160	180	180	250	315	400	500	630	800	1000	1000	1000	
AC22A	400V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	500V	A	160	200	200	250	315	400	500	630	800	1000	1000	1250	
	690V	A	125	160	160	200	250	250	400	500	500	630	630	1000	
AC23A	400V	A	160	160	160	250	315	400	500	630	800	800	800	1000	
	500V	A	125	125	125	200	250	315	400	500	500	800	800	900	
	690V	A	80	80	80	160	160	160	250	315	315	500	500	630	
Reactive power for capacitor control 400V		kvar	72	72	72	153	153	153	225	284	284	360	360	450	
Rated operational power															
AC23A	400V	kW	90	90	90	138	174	220	220	349	443	443	443	554	
	690V	kW	75	75	75	153	153	153	239	300	300	478	478	600	
Protection against short-circuit															
Rated short-time withstand current (1s) I _{cw}	kA rms	7				12			16			25		35	
	kA rms	100										72		72	
With fuse class gG		A	160	200	250		315	400	500	630	800	1000	1250	2x800	
Making capacity (AC23A 400V)		A	1600			2500	3150	4000	5000	6300		8000		10000	
Breaking capacity (AC23A 400V)		A	1280			2000	2520	3200	4000	5000		6400		8000	
Mechanical life		cycles	30,000			20,000			10,000						
Electrical life (AC23A 400V)		cycles	1,000								500				
Terminals	Type	Terminal for lugs② or bars													
	A mm	18	26		25			25	30		40		60		
	B mm	3			4			5			8		10		
	Screw	M8	M10										M14		M14
Tightening torque	Nm	13④	24								45		55		
	lbft	10④	18								33		40		
Maximum conductor section		mm ²	95	120		185		240	2x185	2x240		2x300		—	
Maximum bar size (thickness-width)		mm	5-25②	5-30		7-25			6-40	2x 5-40		2x 10-50		2x 7-80	

AMBIENT CONDITIONS

Temperature	Operating	°C	-25...+55										
	Storage	°C	-40...+70										
Maximum altitude		m	3000										
Mounting position	Normal		Vertical										
	Admissible		Any										
Fixing			Screw										

- ① With protection fuse to limit current peak and let-through energy.
- ② Not suitable with GE0160 P and GE0160 T4P.
- ③ GE...P types have IP20 lug clamp/pillar terminals.
- ④ 4Nm/3lbft only GE...P types.
- ⑤ The four-pole type (3P+N) has early-make late-break neutral pole.

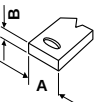
Switch disconnectors

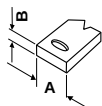
Technical characteristics

GE series 50A to 800A - Three and four switch disconnectors with fuse holder

TYPE	NFC	3-pole	GE0050 F	GE0125 F	-	-	-	-	-	-	-	-
		4-pole③	GE0050 FT4	GE0125 FT4	-	-	-	-	-	-	-	-
	BS	3-pole	-	-	GE0160 B	-	GE0200 B	GE0250 B	GE0315 B	GE0400 B	GE0630 B	GE0800 B
		4-pole③	-	-	GE0160 BT4	-	GE0200 BT4	GE0250 BT4	GE0315 BT4	GE0400 BT4	GE0630 BT4	GE0800 BT4
NH	3-pole	-	-	-	GE0160 N	GE0161 N	-	GE0250 N	-	GE0400 N	GE0630 N	GE0800 N
	4-pole③	-	-	-	GE0160 NT4	GE0161 NT4	-	GE0250 NT4	-	GE0400 NT4	GE0630 NT4	GE0800 NT4

CONTACT CHARACTERISTICS

Conventional free air thermal current I _{th} (≤40°C)		A	50	125	160	160	200	250	315	400	630	800	
Rated insulation voltage U _i		V	800	800	800			1000					
Rated impulse withstand voltage U _{imp}		kV	8	8	8			12					
Rated operational current I _e													
AC21A	400V	A	50	125	160	160	200	250	315	400	630	800	
	500V	A	50	125	160	160	200	250	315	400	630	800	
	690V	A	50	125	160	160	200	250	315	400	630	630	
AC22A	400V	A	50	125	160	160	200	250	315	400	630	800	
	500V	A	50	125	160	160	200	250	315	400	630	800	
	690V	A	50	125	125	160	200	250	315	400	630	630	
AC23A	400V	A	50	125	160	160	200	250	315	400	630	630	
	500V	A	50	125	125	160	200	250	315	400	630	630	
	690V	A	50	80	100	125	160	200	250	315	400	400	
Reactive power 400V for capacitor control		kvar	18	52	60	60	75	115	150	200	250	325	
Rated operational power													
AC23A	400V	kW	25	65	90	90	110	132	185	220	355	355	
	690V	kW	42	80	90	110	160	250	315	400	630	800	
Protection against short-circuit													
Let-through energy I ² t		kA ² s	13	17	17	26.3	26.3	43.3	43.3	43.3	60.8	60.8	
Rated conditional short-circuit current		kA rms	50	50	100	100	100	100	100	100	100	100	
Making capacity (AC23A 400V)		A	500	1250	1600			2000	2600	3200	5100		
Breaking capacity (AC23A 400V)		A	400	1000	1600		2000	2500	3150	4000	6300		
Mechanical life		cycles	10,000	10,000	10,000						5,000		
Electrical life (AC23A 400V)		cycles	10,000	10,000	1,000							500	
		Type	②	②	Terminal for lugs or bars								
		A mm	—	—	20	25		30		35	40	50	
		B mm	—	—	3			4		5	6		
		Screw	M6	M6	M8			M10			M12	4x M8	
Tightening torque		Nm	3	4	13			24			45	13	
		lbft	2.2	3	10			18			33	10	
Maximum conductor section		mm ²	35	95	95	120		240			2x185	2x240	
Maximum bar size (thickness-width)		mm	—	3-25	3-25	5-25		6-40			2x 7-50	2x 7-50	



AMBIENT CONDITIONS

Temperature	Operating	°C	-25...+55
	Storage	°C	-40...+70
Maximum altitude		m	3000
Mounting position			
		Normal	Vertical
		Admissible	Any
Fixing			Screw

① 50kA rms for GE0160 N and GE0160 NT4.

② GE...F types have IP20 lug clamp/pillar terminals.

③ The four-pole type (3P+N) has early-make late-break neutral pole.

Switch disconnectors

Technical characteristics

GE series 160A to 1600A - Three and four-pole changeover switches

TYPE															
		3-pole	GE0160 E	GE0200 E	GE0201 E	GE0250 E	GE0315 E	GE0400 E	GE0500 E	GE0630 E	GE0800 E	GE1000 E	GE1250 E	GE1600 E	
CONTACT CHARACTERISTICS															
Conventional free air current I _{th} (≤40°C)		A	160	200		250	315	400	500	630	800	1000	1250	1600	
Rated insulation voltage U _i		V	1000							1000					
Rated impulse withstand voltage U _{imp}		kV	8							12					
Rated operational current I _e															
AC21A	400V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	500V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	690V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
AC22A	400V	A	160	200	200	250	315	400	500	630	800	1000	1250	1600	
	500V	A	160	200	200	250	315	400	500	630	800	1000	1250	1250	
	690V	A	125	160	160	200	250	315	400	500	630	800	1000	1000	
AC23B	400V	A	160	160	200	200	250	250	400	400	630	1000	1000	1000	
	500V	A	125	125	160	160	200	200	315	315	400	800	800	900	
	690V	A	80	80	125	125	160	160	250	250	315	630	630	630	
Reactive power 400V for capacitor control		kvar	72	72	131	131	166	166	262	262	333	415	415	450	
Rated operational power AC23A	400V	kW	89	89	100	100	125	125	200	200	315	500	525	550	
	690V	kW	76	76	108	108	138	138	216	216	272	550	575	600	
Protection against short-circuit															
Rated short-time withstand current (1s) I _{cw}		kA rms	6	6	8				13			25		35	
Rated conditional short-circuit current ①		kA rms	100	100							72				
With fuse class gG		A	160	200	250		315	400	500	630	800	1000	1250	2x800	
Rated making capacity (AC23A 400V)		A	1600	1600	3150		4000		6300		8000	10000	10000	10000	
Rated breaking capacity (AC23A 400V)		A	1280	1280	2520		3200		5040		6400	8000	8000	8000	
Mechanical life		cycles	30,000	30,000	10,000							10,000			
Electrical life (AC22A 400V)		cycles	1,000	1,000	1,000							500			
Terminals 		Type	Terminal for lugs or bars												
		A mm	18	26	25			35	40			50		60	
		B mm	3	3						5			6		10
		Screw	M8	M10						M12			M14		M14
Tightening torque		Nm	13	24								45		55	
		lbft	10	18								33		40	
Maximum conductor section		mm ²	95	120	240			2x240			–	–	–		
Maximum bar size (thickness-width)		mm	4-13	13-18	2x 5-30			2x 6-45			2x 10-60		2x 7-80		
AMBIENT CONDITIONS															
Temperature	Operating	°C	-25...+55												
	Storage	°C	-40...+70												
Maximum altitude		m	3000												
Mounting position	Normal		Vertical												
	Admissible		Any												
Fixing			Screw												

- ① With protection fuse to limit current peak and let-through energy.
 ② The four-pole type (3P+N) has early-make late-break neutral pole.

Switch disconnectors

Technical characteristics

GA series for photovoltaic applications

TYPE		Three-pole	GA040 D	GA080 D	GA125 D
		4th-pole	GAX42 040 D	GAX42 080 D	GAX42 125 D
CONTACT CHARACTERISTICS					
IEC conventional free air thermal current I _{th} (≤40°C)		A	40	80	125
IEC rated insulation voltage U _i		V	1000		
IEC rated impulse withstand voltage U _{imp}		kV	8		
IEC rated operational current I _e DC21B					
2 poles in series	300V	A	16	20	25
3 poles in series	48V	A	40	80	125
	110V	A	35	70	120
	220V	A	32	40	95
	500V	A	12	15	20
4 poles in series	400V	A	35	40	64
	440V	A	32	40	64
	500V	A	32	40	56
	600V	A	20	30	40
	700V	A	15	18	20
	750V	A	15	18	20
	800V	A	15	18	20
	1000V	A	—	12	15
6 poles in series❶	600V	A	35	45	50
	700V	A	30	35	40
	750V	A	25	35	40
	800V	A	25	35	40
	1000V	A	10	20	25
8 poles in series❷	700V	A	40	60	80
	750V	A	35	50	60
	800V	A	35	50	60
	1000V	A	25	32	40
UL/SA general use at 600V		A	40	100	100
UL/CSA short-circuit rating at 600V		kA	5	10	10
UL/CSA fuse class / max rating at 600V		Type/A	RK5 / 45	– / 100	– / 100
UL/CSA HP ratings	120V	HP	2	3	7½
Single phase	240V	HP	5	10	10
Three phase 200-208V❸	HP	HP	10	25	25
	240V	HP	15	30	30
	480V	HP	20	40	50
	600V	HP	25	40	40
	Mechanical life		cycles	100,000	30,000
	Type		Lug clamp ❹		
	A mm		5.6 (0.22")	12.4 (0.49")	
	B mm		6.5 (0.26")	10.4 (0.41")	
	Screw		M4	M8	
	Tool		Phillips 2	Metric Allen key 4	
Tightening torque min...max	Nm		1.8...2	5...6	
	lbin		16...18	45...54	
Conductor section min...max (flexible/rigid)	mm²		0.75...16	4...50	
	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)		

❶ Using two pieces of 3-pole switch disconnectors mechanically coupled together by GAX60 00 / GAX60 01.

❷ Using two pieces of 3-pole switch disconnectors, each with the fourth-pole add-on, mechanically coupled together by GAX60 00 / GAX60 01.

❸ The four-pole type (3P+N) has early-make late-break neutral pole.

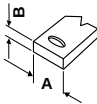
❹ IEC/EN 60947-1 designation: Pillar terminal.



Switch disconnectors

Technical characteristics

GE series for photovoltaic applications

TYPE	4-pole	GE0160 DT4P GE0160 DT4	GE0125 DT4	GE0250 DT4	GE0315 DT4	GE0630 DT4	GE0800 DT4	GE1250 DT4	
CONTACT CHARACTERISTICS									
Conventional free air thermal current I _{th} (≤40°C)	A	160	125	250	315	630	800	1250	
Rated insulation voltage U _i	V	1000							
Rated impulse withstand voltage U _{imp}	kV	8					12		
Rated operational current I _e DC21B	48V A	160	125	250	315	630	800	1250	
4 poles in series	110V A	160	125	250	315	630	800	1250	
	220V A	160	125	250	315	630	800	1250	
	400V A	160	125	250	315	630	800	1250	
	440V A	150	125	250	315	630	750	1250	
	500V A	150	125	250	315	630	700	1250	
	600V A	150	125	250	315	500	700	1250	
	750V A	80	125	250	290	400	650	1050	
	800V A	70	125	250	280	350	630	1000	
	850V A	45	125	240	270	320	580	940	
900V A	40	125	220	260	300	550	870		
1000V A	30	100	200	250	270	500	850		
Mechanical life	cycles	30,000	20,000			10,000			
Terminals		Type	Terminal for lugs② or bars						
		A mm	18	20	25		30		40
		B mm	3	4	4		5		8
		Screw	M8	M8	M10				M14
Tightening torque	Nm	13①	13	18		24		45	
	lbft	10	10	13		18		33	
Maximum bar size (thickness-width)	mm	5-25③	7-25			2x 5-40		2x 10-50	
Maximum conductor section	mm ²	95	185			2x240		2x300	
AMBIENT CONDITIONS									
Temperature	Operating	°C			-25...+55				
	Storage	°C			-40...+70				
Maximum altitude		m			3000				
Mounting position	Normal				Vertical				
	Admissible				Any				
Fissaggio					Screw				

① Not suitable with GE0160 DT4P.

② GE0160 DT4P type has lug clamp/pillar terminals, IP20.

③ 4Nm/3lbft only for GE0160 DT4P.