




Switch disconnectors for photovoltaic applications


electric
100% electricity

Switch disconnectors

16A to 125A switch disconnectors for photovoltaic applications

Three-pole switch disconnectors



GA040 D

GA080 D
GA125 D

Order code	Conventional free air thermal current Ith AC21A	Rated operational current Ie			Qty per pkg	Wt [kg]
		DC21B (800V)	Poles in series			
		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 page 3 and 4.

GA040 D	40	15	25	35	1	0.135
GA080 D	80	18	30	40	1	0.355
GA125 D	125	20	35	45	1	0.355

Fourth pole add-on



GAX42...D

Simultaneous closing operation as switch poles.
For GA...D versions.

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

UTILISATION IN DC21B CATEGORY

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

3 POLES IN SERIES.

Products to purchase and fit together	GA040 D	GA080 D	GA125 D
48	40	80	125
110	35	70	120
220	32	40	95

4 POLES IN SERIES.

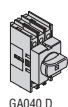
Products to purchase and fit together	GA040 D + GAX42 040D	GA080 D + GAX42 080D	GA125 D + GAX42 125D
400	35	40	64
440	32	40	64
500	32	40	56
600	20	30	40
700	15	18	20
750	15	18	20
800	15	18	20

6 POLES IN SERIES.

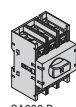
Products to purchase and fit together	GA040 D + GA040 D + GAX60 00	GA080 D + GA080 D + GAX60 01	GA125 D + GA125 D + GAX60 01
600	35	40	45
700	25	30	35
750	25	30	35
800	25	30	35
1000	10	20	25

8 POLES IN SERIES.

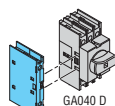
Products to purchase and fit together	GA040 D + GA040 D + GAX42 040D + GAX42 040D + GAX60 00	GA080 D + GA080 D + GAX42 080D + GAX42 080D + GAX60 01	GA125 D + GA125 D + GAX42 125D + GAX42 125D + GAX60 01
700	35	40	45
750	35	40	45
800	35	40	45
1000	25	30	32



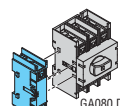
GA040 D



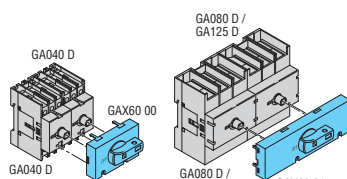
GA080 D
GA125 D



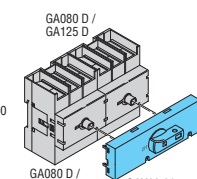
GAX42 040D



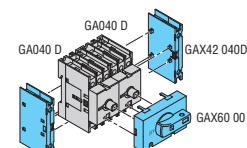
GA080 D / GA125 D
GAX42 080D / GAX42 125D



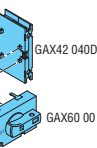
GA040 D



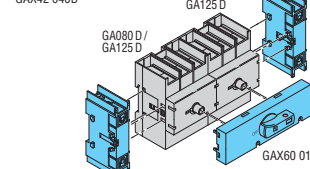
GA080 D / GA125 D
GAX60 01



GAX42 040D



GA080 D / GA125 D
GAX42 080D / GAX42 125D



GAX60 01

GAX42 080D / GAX42 125D

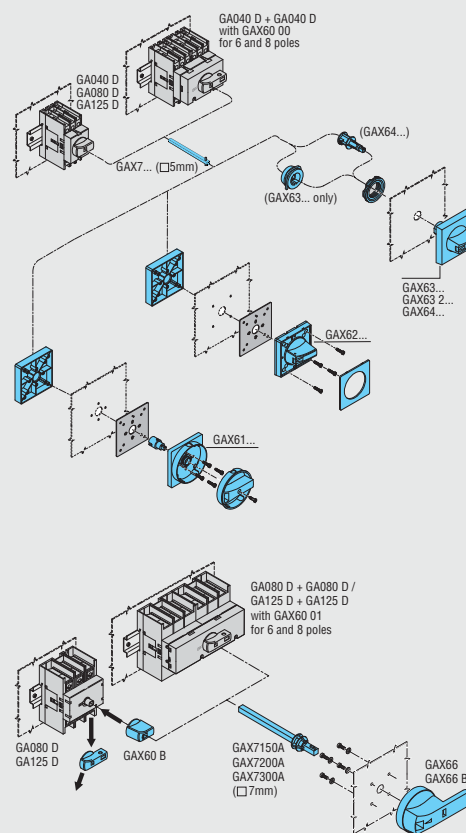
General characteristics

- 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 page 3 and 4.
- Screw or 35mm DIN (IEC/EN 60715) rail fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- Rated insulation voltage Ui: 1000V
- Rated impulse withstand Uimp: 8kV
- Mechanical life:
 - 100,000 cycles for GA040 D
 - 30,000 cycles for GA080 D and GA125 D.

Transformation of direct operating version into door coupling type



Certifications and compliance

Certifications obtained: GOST; cULus (to UL508/CSA C22.2 n° 14 for GA040 D and GAX42 040D; 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.

Switch disconnectors

16A to 125A switch disconnectors for photovoltaic applications

Accessories

Handles



GAX61



GAX62



GAX63... B



GAX66

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

DOOR COUPLING HANDLES, PADLOCKABLE, IP65.
Red/yellow, rotating.

GAX61	Screw fixing. Recessed selector. □ 5mm ❶	1	0.073
GAX62	Screw fixing. Protruding selector. □ 5mm ❶	1	0.072
GAX63	Ring fixing. Protruding selector. □ 5mm ❶	1	0.068
GAX63 2	Low-profile ring fixing. Protruding selector. □ 5mm ❶	1	0.057
GAX64	Ring fixing. Protruding selector with release, defeatable per UL508A; □ 5mm ❶	1	0.064
GAX66	For GA080 D, GA125 D and GAX60 01. Screw fixing. Pistol grip with release, defeatable UL508A; □ 7mm ❷	1	0.140

Black, rotating.

GAX61 B	Screw fixing. Recessed selector. □ 5mm ❶	1	0.073
GAX62 B	Screw fixing. Protruding selector. □ 5mm ❶	1	0.072
GAX63 B	Ring fixing. Protruding selector. □ 5mm ❶	1	0.068
GAX63 1B	Ring fixing. Protruding selector, padlockable at ON (per UNI 9490 and UNI EN 12845 - firefighting systems); □ 5mm ❶	1	0.074
GAX63 2B	Low-profile ring fixing. Protruding selector. □ 5mm ❶	1	0.057
GAX64 B	Ring fixing. Protruding selector with release, defeatable per UL508A. □ 5mm ❶	1	0.064
GAX66 B	For GA080 D, GA125 D and GAX60 01. Screw fixing. Pistol grip with release, defeatable per UL508. □ 7mm ❷	1	0.140

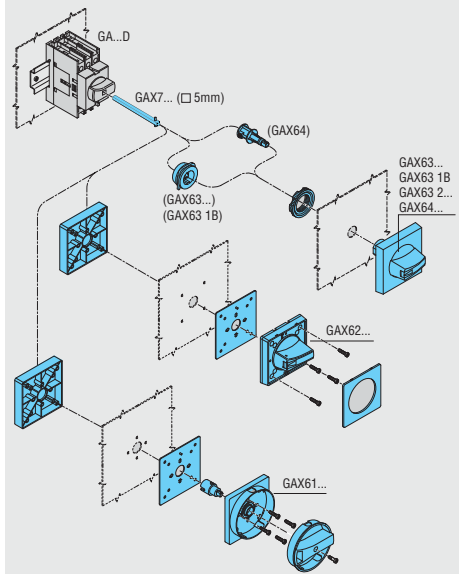
ACCESSORIES FOR DOOR COUPLING CONTROL
For GAX66 and GAX66 B handles

GAX60 B	Adapter, □ 7mm for door-coupling GAX66 and GAX66 B handle	1	0.010
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❶ For GA...D switch disconnectors, separately order GAX7... shaft extensions.

❷ Separately order GAX7...A shaft extension and GAX60 B handle having a 7mm square section, except for use with GAX60 01.

Transformation of direct operating version into door coupling type



Certifications and compliance

Certifications obtained: GOST; cULus (to UL508/CSA C22.2 n°14 for products used with GA016... GA040...; to UL98/CSA C22.2 n°4 for products used with GA063... GA125...) except GAX63 1B.

Certifications pending: cULus for GAX63 2..., GAX66... and GAX60 B.

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

Switch disconnectors

16A to 125A switch disconnectors for photovoltaic applications

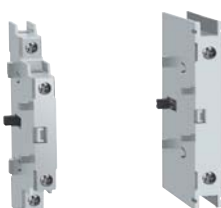
Accessories



GAX7...



GAX7... A



GAX10 11A

GAX11 10EA
GAX12 10EA



GAX60...



GAX3...A



GAX8...

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

Shaft extension for door-coupling handles GAX61-GAX64, GAX61 B-GAX64 B and coupling system GAX60 00.

GAX7 055	55mm long; □ 5mm	1	0,012
GAX7 070	70mm long; □ 5mm	1	0,014
GAX7 090	90mm long; □ 5mm	1	0,018
GAX7 150	150mm long; □ 5mm	1	0,032
GAX7 200	200mm long; □ 5mm	1	0,040
GAX7 300	300mm long; □ 5mm	1	0,068
GAX7 400	400mm long; □ 5mm	1	0,072
GAX7 500	500mm long; □ 5mm	1	0,090

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

GAX7 150A	150mm long; □ 7mm	1	0,090
GAX7 200A	200mm long; □ 7mm	1	0,112
GAX7 300A	300mm long; □ 7mm	1	0,160

Auxiliary contacts, simultaneous operation as switch poles.

GAX10 11A	1NO+1NC	1	0,030
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Auxiliary contacts, early-break operation with respect to switch poles.

GAX11 10EA	1EB (NO) for GA040 D	1	0,035
GAX12 10EA	1EB (NO) for GA080 D and GA125 D	1	0,035

Mechanical coupling system for 6-8 pole switch disconnectors.

GAX60 00	For GA040 D; □ 5mm ①	1	0,050
GAX60 01	For GA080 D and GA125 D; □ 7mm ②	1	0,075

Neutral terminal.

GAX31 A	For GA040D	1	0,040
GAX32 A	For GA080 D and GA125 D	1	0,110

Earth terminal.

GAX33 A	For GA040D	1	0,040
GAX34 A	For GA080 D and GA125 D	1	0,110

Set of 2 three-pole terminal covers.

GAX83	For GA040 D	1	0,018
GAX84	For GA080 D and GA125 D	1	0,030

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

GAX81	For GAX42 040D	1	0,009
GAX82	For GAX42 080D and GAX42 125D	1	0,012

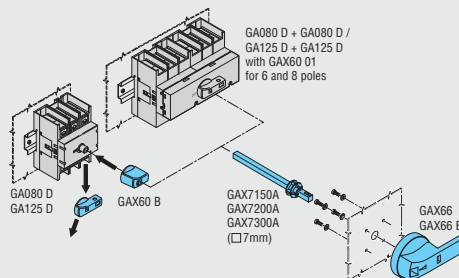
① Use GAX7... shaft extensions.

② Use GAX66.. handles and GAX7... A extensions for a door-coupling version.

General characteristics of auxiliary contacts

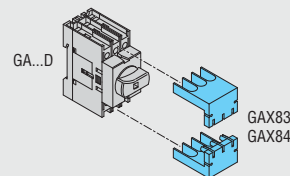
- Conventional free air thermal current Ith: 10A
- IEC/EN 60947-5-1 designation: A600-Q600.

Transformation of direct operating versions into door coupling types

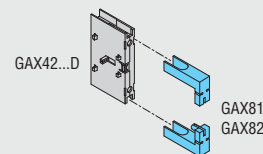


Terminal covers

For switch disconnectors



For fourth pole



Certifications and compliance

Certifications obtained: GOST; cULus (to UL508/CSA C22.2 n°14 standards for GAX7... extensions, auxiliary contacts, neutral terminal GAX31..., earth terminal GAX33... and coupling system GAX60 00; to UL98/CSA C22.2 n°4 for neutral terminal GAX32..., earth terminal GAX34... and coupling system GAX60 01).

Certifications pending: cULus for GAX11 10EA and GAX12 10EA.

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

Switch disconnectors

16A to 125A switch disconnectors for photovoltaic applications

GA040 D, GA080D and GA125 D

Sequence and maximum combination of accessories on direct operating switch disconnectors

Left side				Switch disconnector	Right side			
1	1	1	1	GA040 D	—	2	1	1
1	1	2	—		1	1	1	1
1	1	2	—		—	2	1	1
1	1	—	—		—	—	1	1
→ → → → ← ← ← ←				GA080 D GA125 D	—	2	—	—
—	—	2	—		1	1	—	—
1	1	—	1		—	2	—	—
—	—	2	—		1	—	1	1
—	—	2	—	—	—	2	—	—
1	1	—	—	—	—	—	1	1

- Fourth pole is always mounted directly on the switch side. Refer to page 2.
- Auxiliary contacts GAX10 11A are always mounted directly on the fourth pole side, if any, or on the switch side.
- For GA016...GA040, neutral and earth terminals are always mounted directly on the fourth pole side, if any, or on the switch side. It is indifferent whether the first is the neutral terminal or earth terminal.
- For GA063...GA125, neutral and earth terminals are always mounted directly on the fourth pole side but NOT when auxiliary contacts GAX10 11A are fitted. It is indifferent whether the first is the neutral terminal or earth terminal.

❶ Contact our Customer Service (Tel. +39 035 4282422; email: service@LovatoElectric.com) for combinations with GAX11 10EA and GAX12 10EA contact types.

GA040 D with GAX60 00

Sequence and maximum combination for mechanical coupling system

Left side				Switch disconnector	Right side			
1	1	1	1	GA040 D	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	—	—	—	—	2	1	1
1	1	2	—	—	—	—	1	1
1	1	—	1	—	1	—	1	1

GA080 D, GA125 D with GAX60 01

Left side				Switch disconnector	Right side			
—	—	2	—	GA080 D GA125 D	1	1	—	—
—	—	1	1		—	2	—	—
—	—	1	1		1	1	—	—
—	—	2	—		—	2	—	—
1	1	—	1	—	—	—	1	1
1	1	—	—	—	—	—	1	1

- Fourth pole is always mounted directly on the switch side. Refer to page 2.
- Auxiliary contacts GAX10 11A are always mounted directly on the fourth pole side, if any, or on the switch side.
- For GA016...GA040, neutral and earth terminals are always mounted directly on the fourth pole side, if any, or on the switch side. It is indifferent whether the first is the neutral terminal or earth terminal.
- For GA063...GA125, neutral and earth terminals are always mounted directly on the fourth pole side but NOT when auxiliary contacts GAX10 11A are fitted. It is indifferent whether the first is the neutral terminal or earth terminal.

❶ Contact our Customer Service (Tel. +39 035 4282422; email: service@LovatoElectric.com) for combinations with GAX11 10EA and GAX12 10EA types.

Switch disconnectors

160A to 1250A switch disconnectors for photovoltaic applications

Four-pole switch disconnectors



GE...DT4 - GE...DT4P

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

Version for photovoltaic applications.
Separately order the handle and shaft extension[Ⓢ].

GE0160 DT4P[Ⓢ]	160	160	50	1	1.000
GE0160 DT4	160	160	50	1	1.000
GE0250 DT4	250	250	250	1	2.000
GE0315 DT4	315	315	280	1	4.000
GE0630 DT4	630	630	350	1	4.500
GE0800 DT4	800	800	630	1	4.500
GE1250 DT4	1250	1250	1000	1	20.800

- Ⓢ Refer to the side table for the selection of the handle.
- Ⓢ Connection of four poles in series.
- Ⓢ Standard supplied with IP20 terminal protection.

DC21B CATEGORY UTILISATION

Product to order and fit together	Operational Voltage U _e					
	48V	110V	220V	400V	440V	500V
	Maximum operational current					
	[A]	[A]	[A]	[A]	[A]	[A]

4 POLES IN SERIES.

GE0160 DT4P	160	160	160	105	90	85
GE0160 DT4	160	160	160	105	90	85
GE0250 DT4	250	250	250	250	250	250
GE0315 DT4	315	315	315	315	315	315
GE0630 DT4	630	630	630	630	630	630
GE0800 DT4	800	800	800	800	750	700
GE1250 DT4	1250	1250	1250	1250	1250	1250

Product to order and fit together	Operational Voltage U _e					
	600V	750V	800V	850V	900V	1000V
	Maximum operational current					
	[A]	[A]	[A]	[A]	[A]	[A]

4 POLES IN SERIES.

GE0160 DT4P	65	55	50	45	40	30
GE0160 DT4	65	55	50	45	40	30
GE0250 DT4	250	250	250	240	220	200
GE0315 DT4	315	290	280	270	260	250
GE0630 DT4	500	400	350	320	300	270
GE0800 DT4	700	650	630	580	550	500
GE1250 DT4	1250	1050	1000	940	870	850

Selection of handles and accessories

Types of handle to use per type are given below. Also refer to pages 7 and 8.

Direct operating	Door coupling	
	Black	Red/yellow
Black	Black	Red/yellow
GEX6 5D	GAX66 B	GAX66
GEX6 5D	GAX66 B	GAX66
GEX6 6D	GEX6 6B	GEX6 6
GEX6 6D	GEX6 6B	GEX6 6
GEX6 7D	GEX6 7B	GEX6 7
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 7 and 8
- Screw fixing
- Padlockable at 0 position with no extra accessory.

Operational characteristics

- Rated insulation voltage U_i: 1000V
- Rated impulse withstand voltage U_{imp}:
 - 8kV for GE0160 DT4, GE0160 DT4P, GE250 DT4, GE0315 DT4
 - 12kV for GE0630 DT4, GE1250 DT4
- Mechanical life:
 - 30,000 ops for GE0160 DT4, GE0160 DT4P
 - 20,000 ops for GE0250 DT4, GE0315 DT4
 - 10,000 ops for GE0630 DT4, GE0800 DT4, GE1250 DT4.

Certifications and compliance

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

Switch disconnectors

160A to 1250A switch disconnectors for photovoltaic applications

Add-on blocks and accessories



GEX10...



GEX89 00

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
Auxiliary contacts ①.			
GEX10 11 ①	1NO/1NC changeover	1	0.032
Adapter kit for 35mm DIN fixing.			
GEX89 00	For GE0160 DT4P	1	0.040
Set of terminal covers; see tables on pages 8 for the selection based on the switch disconnector type.			
GEX81 01	For GE0160 DT4	1	0.048
GEX81 11	For GE0250 DT4-GE0315 DT4	1	0.080
GEX81 21	For GE0630 DT4-GE0800 DT4	1	0.140
GEX81 31	For GE1250 DT4	1	0.170

① Changeover contact.

Selection of add-on contacts and accessories

Refer to the combinations given on page 8 for a correct choice based on the switch disconnector type to be used.

General characteristics for auxiliary contacts

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

Certifications and compliance

Certifications obtained: GOST
 Certifications pending: 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.

Handles



GEX65 D



GAX66



GEX66-GEX68



GEX...B

Order code	Characteristics	Qty per pkg	Wt
		n°	[kg]
DIRECT OPERATING HANDLE, PADLOCKABLE ②.			
Rotating type with screw fixing on switch disconnector. Complete with shaft insert.			
GEX6 5D	50mm black lever	1	0.054
GEX6 6D	105mm black lever	1	0.216
GEX6 7D	245mm black two-hand lever	1	0.322
GEX6 8D	285mm black two-hand lever	1	0.328

DOOR COUPLING HANDLE, PADLOCKABLE, IP65 ②.

Red/yellow rotating type with screw fixing on door. Shaft extension to order separately.

GAX66 ②	Pistol grip lever with release, defeatable per UL508A. □ 7mm ③	1	0.140
GEX6 6	Lever. □ 10mm	1	0.248
GEX6 7	Two-hand lever □ 14mm	1	0.302
GEX6 8	Two-hand lever □ 14mm	1	0.312

DOOR COUPLING HANDLE, PADLOCKABLE, IP65 ②.

Black rotating type with screw fixing on door. Shaft extension to order separately.

GAX66 B ②	Pistol grip lever with release, defeatable per UL508. □ 7mm ③	1	0.075
GEX6 6B	Lever. □ 10mm	1	0.246
GEX6 7B	Two-hand lever □ 14mm	1	0.298
GEX6 8B	Two-hand lever □ 14mm	1	0.310

SHAFT EXTENSION

for door coupling handles.

GAX7 150A	150mm long; □ 7mm	1	0.090
GAX7 200A	200mm long; □ 7mm	1	0.112
GAX7 300A	300mm long; □ 7mm	1	0.160
GEX7 160	160mm long ②, □ 14mm	1	0.248
GEX7 191	191mm long ②, □ 10mm	1	0.154
GEX7 310	310mm long ②, □ 14mm	1	0.480
GEX7 340	340mm long ②, □ 10mm	1	0.274
GEX7 500	500mm long ②, □ 10mm	1	0.408
GEX7 501	501mm long ②, □ 14mm	1	0.784

② See table on page 8 for the correct choice based on the switch disconnector type to be used.

③ Use with GAX7...A extension types only.

Shaft extension



GAX7...A



GEX7...

Switch disconnectors

160A to 1250A switch disconnectors for photovoltaic applications

Summary table of combinations

Four-pole type ①	Conventional free air thermal current I _{th} (≤500V)	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)		Auxiliary contacts 1NO/1NC	Terminal covers for:	
		DC21B ② (≤220V)	DC21B ② (≤800V)	Black	Black	Red/Yellow	Width	mm		Sect. <input type="checkbox"/>	Line
Order code	[A]	[A]	[A]	Order code	Order code			Order code	Order code	Order code	Order code

Switch disconnectors for photovoltaic applications.

Model	Rated current I _e	Rated operational current I _e	Rated operational current I _e	Order code	Order code	Order code	Shaft extension	Shaft extension	Order code	Order code	Terminal cover	Terminal cover	
GE0160 DT4P GE0160 DT4	160	125	50	GEX6 5D	GAX66 B	GAX66	60mm	215 265 365	7mm	GAX7 150A GAX7 200A GAX7 300A	GEX1011	— ③ GEX81 01	— ③ GEX81 01
GE0250 DT4 GE0315 DT4	250 315	250 315	250 280	GEX6 6D	GEX6 6B	GEX6 6	105mm	250 400 560	10mm	GEX7 191 GEX7 340 GEX7 500		GEX81 11	GEX81 11
GE0630 DT4 GE0800 DT4	630 800	630 800	350 630	GEX6 7D	GEX6 7B	GEX6 7	245mm	250 400 590	14mm	GEX7 160 GEX7 310 GEX7 501		GEX81 21	GEX81 21
GE1250 DT4	1250	1250	1000	GEX6 8D	GEX6 8B	GEX6 8	285mm	285 415 604				GEX81 31	GEX81 31

① The motorised control unit cannot be installed.

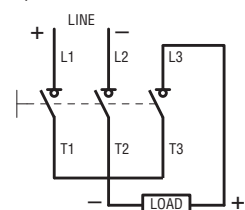
② Connection of four poles in series.

③ Standard supplied with IP20 terminal protection warranted by wired equipment with only maximum conductor section 95mm².

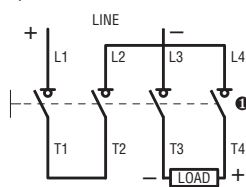
Wiring diagrams

FOR **GA040 D - GA080 D - GA125 D** types

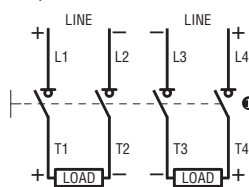
One-line control
3 poles in series



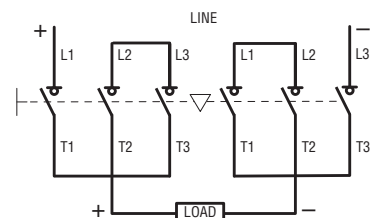
4 poles in series



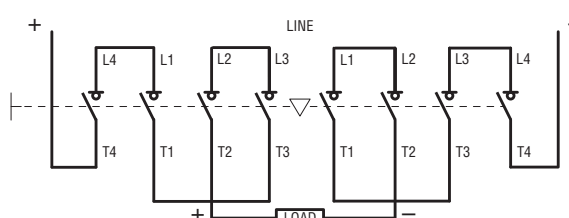
Two-line control
2+2 poles in series



One-line control
6 poles in series



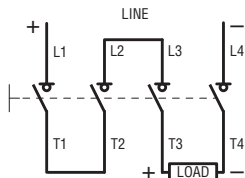
8 poles in series



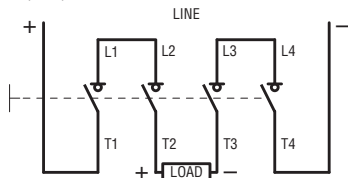
① Add-on fourth pole mounted on the disconnector right side; should it be fixed on the left, wiring needs to change accordingly.

FOR **GE0160... - GE0250... - GE0315... - GE0630... - GE0800... - GE1250 DT4** types

One-line control
4 poles in series



4 (2+2) poles in series

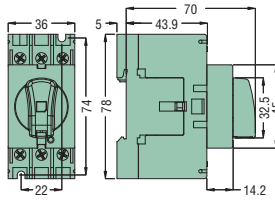


Dimensions [mm]

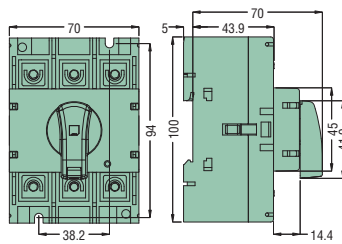
Switch disconnectors for photovoltaic applications

SWITCH DISCONNECTORS GA040 D - GA080 D - GA125 D

Direct operating version
GA040 D

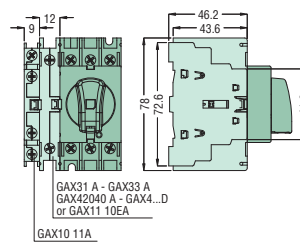


GA080 D - GA125 D

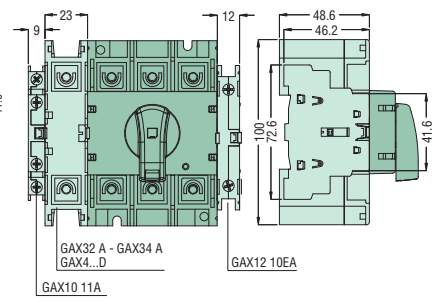


ADD-ON BLOCKS FOR GA...A - GA...D DISCONNECTORS

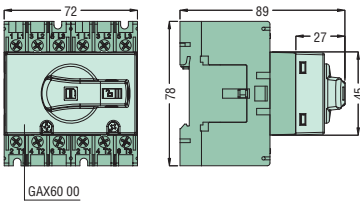
Fourth pole **GAX2 040D**
Aux. contacts **GAX10 11A - GAX11 10EA**
Neutral **GAX31 A - Earth GAX33 A**



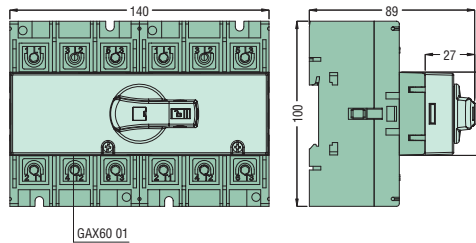
Fourth pole **GAX42 080D - GAX42 125D**
Aux. contacts **GAX10 11A - GAX12 10EA**
Neutral **GAX32 A - Earth GAX34 A**



Mechanical coupling system **GAX60 00**

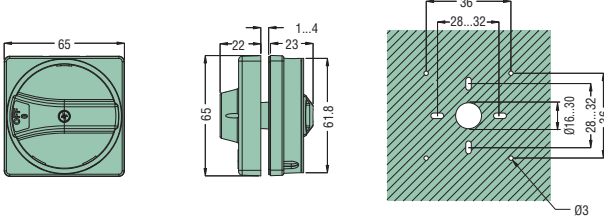


Mechanical coupling system **GAX60 01**

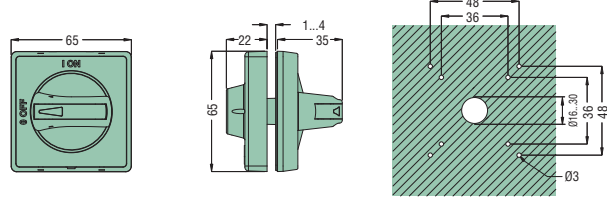


ACCESSORIES

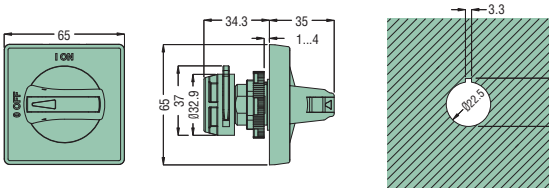
Rotating handles
GAX61/61B



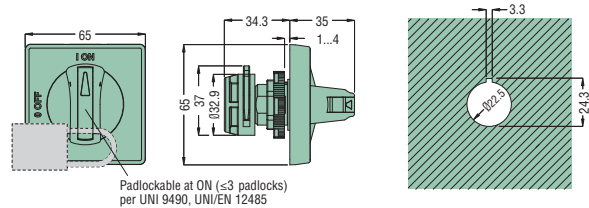
GAX62/62B



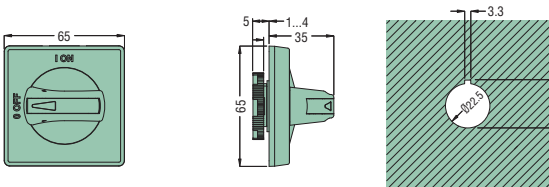
GAX63/63B



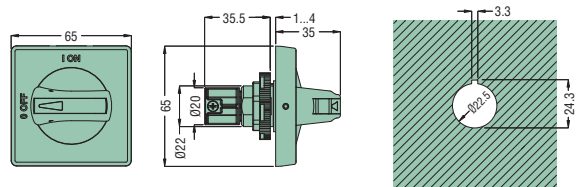
GAX63 1B



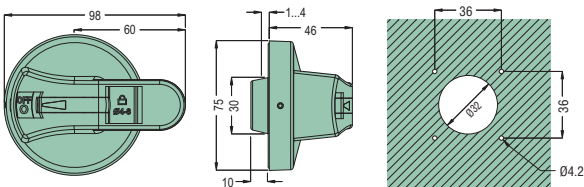
GAX63 2/2B



GAX64/64B



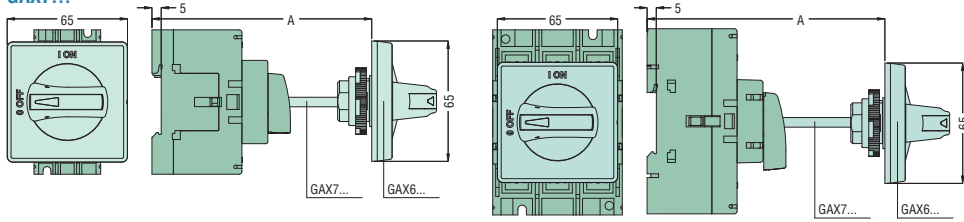
GAX66/66B



Dimensions [mm]

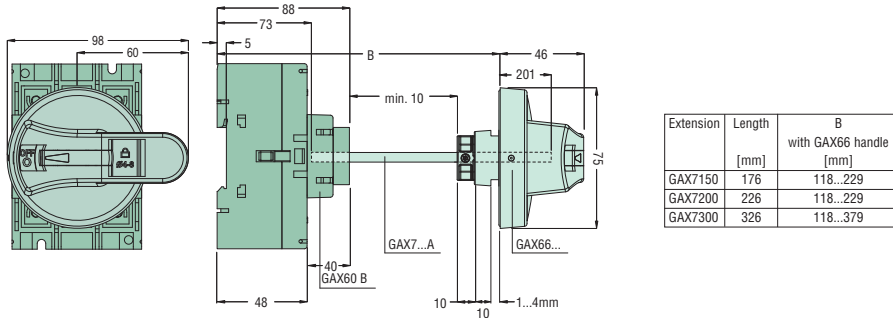
Switch disconnectors for photovoltaic applications

Shaft extensions for door coupling handles GAX7...

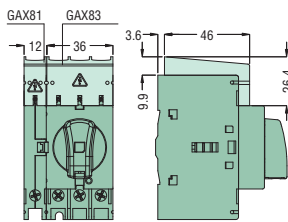


Extension	Length [mm]	A[mm]			
		Type of handle			
		GAX61...	GAX62...	GAX63...	GAX64...
GAX7055	55	99	97	102	116
GAX7070	70	114	112	117	131
GAX7090	90	134	132	137	151
GAX7150	150	194	192	197	211
GAX7200	200	244	242	247	261
GAX7300	300	344	342	347	361
GAX7400	400	444	442	447	461
GAX7500	500	544	542	547	561

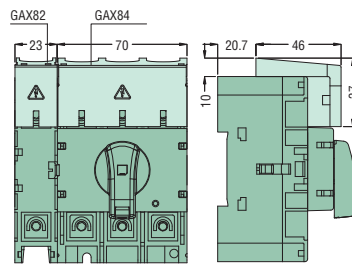
GAX7...A



Terminal covers GAX81 - GAX83

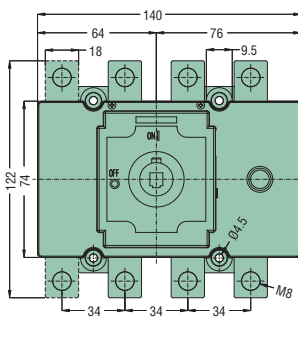


GAX82 - GAX84

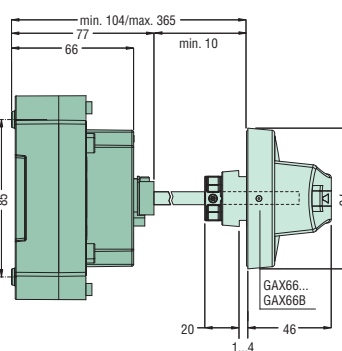


160A TO 1250A SWITCH DISCONNECTORS

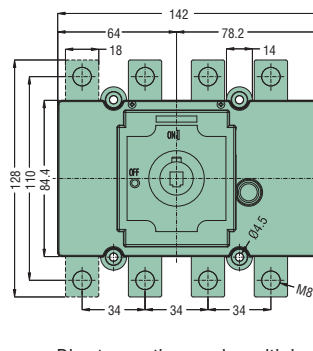
GE0160 DT4P



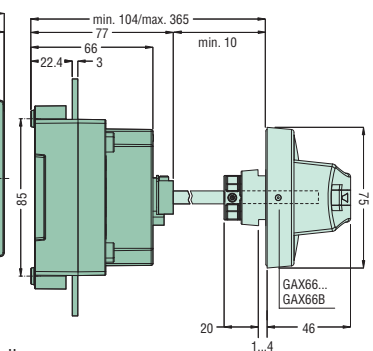
Door coupling version with handle GAX66 - GAX66 B



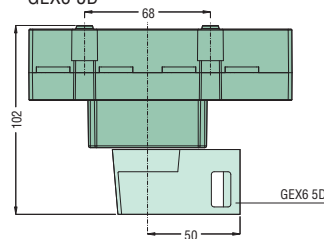
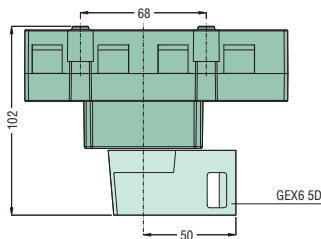
GE0160 DT4P



Door coupling version with handle GAX66 - GAX66 B



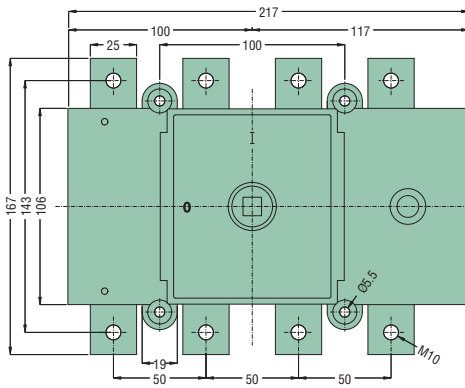
Direct operating version with handle GEX6 5D



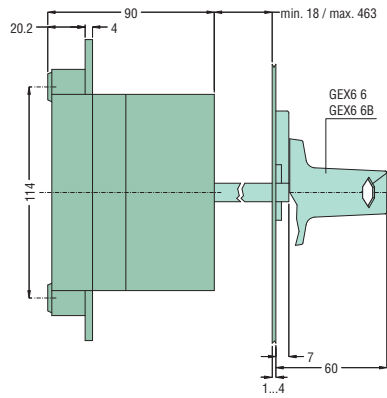
Dimensions [mm]

Switch disconnectors for photovoltaic applications

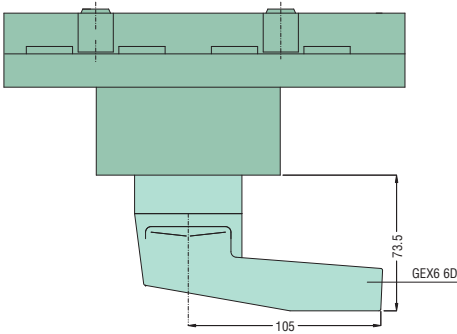
GE0250 DT4 - GE0315 DT4



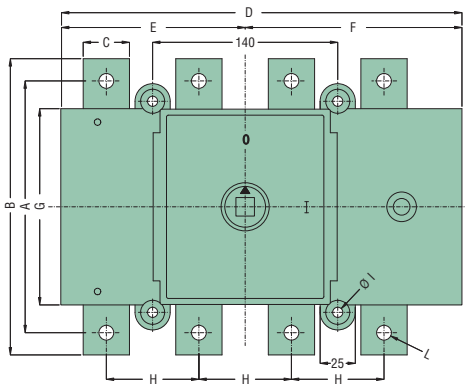
Door coupling version with handle
GEX6 6 - GEX6 6B



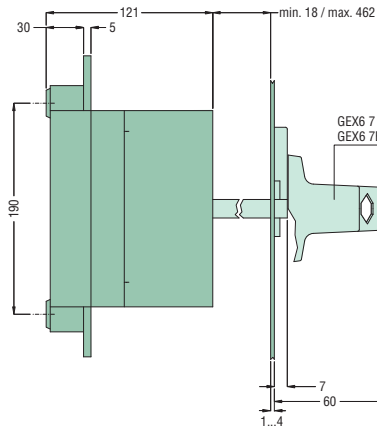
Direct operating version with handle GEX6 6D



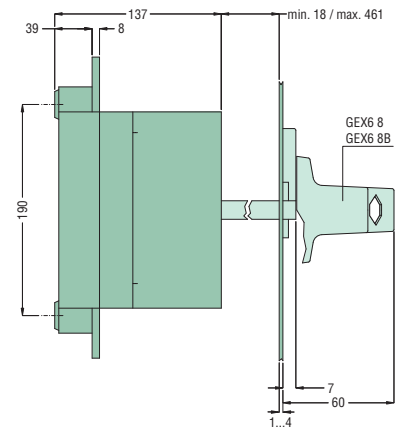
GE0630 DT4 - GE0800 DT4 - GE1250 DT4



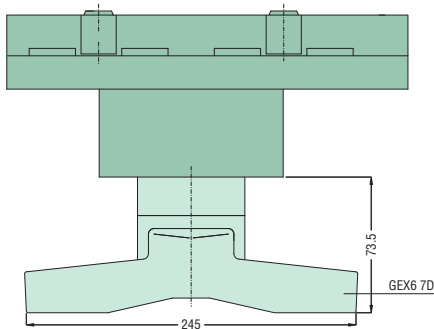
Door coupling version with handle
GEX6 7 - GEX6 7B for GE0630 DT4 - GE0800 DT4



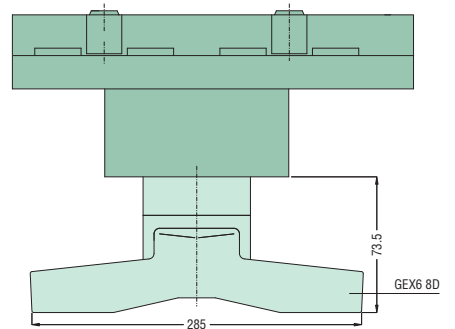
Door coupling version with handle
GEX6 8 - GEX6 8B for GE1250 DT4



Direct operating version with handle
GEX6 7D for GE0630 DT4 - GE0800 DT4



Direct operating version with handle
GEX6 8D for GE1250 DT4



TYPE	A	B	C	D	E	F	G	H	I	L
GE0630 DT4	205	235	30	275	130	145	160	65	6.5	M10
GE0800 DT4	205	235	30	275	130	145	160	65	6.5	M10
GE1250 DT4	250	290	40	325	150	175	190	75	9	M14

Technical characteristics

Switch disconnectors for photovoltaic applications

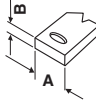
TYPE	Three-pole	GA040 D	GA080 D	GA125 D
	Fourth pole	GAX42 040 D	GAX42 080 D	GAX42 125 D
CONTACT CHARACTERISTICS				
Conventional free air thermal current I _{th} (≤40°C)	A	40	80	125
Rated insulation voltage U _i	V	1000		
Rated impulse withstand voltage U _{imp}	kV	8		
Rated operational current I _e				
DC21B	48V A	40	80	125
3 poles in series	110V A	35	70	120
	220V A	32	40	95
	400V A	35	40	64
4 poles in series	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
Protection against short-circuit				
Rated short-time withstand current (1s) I _{cw}	A rms	800	2500	
Rated conditional short-circuit current	kA rms	50		
Mechanical life	cycles	100,000	30,000	
Terminals	Type	Lug clamp ❶		
	A mm	5.6	12.4	
	B mm	6.5	10.4	
	Screw	M4	M8	
	Tool	Phillps 2	Metric Allen key 4	
Conductor section min...max (flexible/stranded)	mm ²	0.75...16	4...50	
	AWG	18...6	10...1	
Tightening torque min...max	Nm	1.8...2	5...6	
	lbin	16...18	45...54	
AMBIENT CONDITIONS				
Temperature	Operating	°C	-25...+55	
	Storage	°C	-40...+70	
Maximum altitude		m	3000	
Mounting position	Normal		Vertical	
	Admissible		Any	
Fixing			Screw or 35mm DIN rail (IEC/EN 60715)	

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



Technical characteristics

Switch disconnectors for photovoltaic applications

TYPE	4-pole	GE0160 DT4P GE0160 DT4	GE0250 DT4	GE0315 DT4	GE0630 DT4	GE0800 DT4	GE1250 DT4	
CONTACT CHARACTERISTICS								
Conventional free air thermal current I _{th} (≤40°C)	A	160	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	250	315	630	800	1250
4 poles in series	110V	A	160	250	315	630	800	1250
	220V	A	160	250	315	630	800	1000
	400V	A	105	250	315	630	800	1250
	440V	A	90	250	315	630	800	1250
	500V	A	85	250	315	630	750	1250
	600V	A	65	250	315	500	700	1250
	750V	A	55	250	290	400	650	1050
	800V	A	50	250	280	350	630	1000
	850V	A	45	240	270	320	580	940
900V	A	40	220	260	300	550	870	
1000V	A	30	200	250	270	500	850	
Protection against short-circuit								
Rated short-time withstand current (1s) I _{cw}	kA rms	7	12		16		25	
Rated conditional short-circuit current ^①	kA rms	100					72	
Mechanical life	cycles	30,000	20,000		10,000			
Maximum bar size (thickness-width)	mm	5-25	7-25		2x 5-40		2x 10-50	
Terminals		Type	Terminal for lugs ^① or bars					
		A mm	18	25		30		40
		B mm	3	4		5		8
		Screw	M8	M10				M14
Maximum conductor section	mm ²	95	185		2x240		2x300	
Tightening torque	Nm	13 ^②	18		24		45	
	lbft	10	13		18		33	
AMBIENT CONDITIONS								
Temperature	Operating	°C	-25...+55					
	Storage	°C	-40...+70					
Maximum altitude		m	3000					
Mounting position	Normal		Vertical					
	Admissible		Any					
Fixing			Screw					

① GE0160 DT4P type has lug clamp/pillar terminals.

② 4Nm/3lbft only for GE0160 DT4P.

new
2011



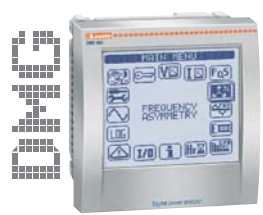
Fuse holders
1000VDC



10x38 DC fuses



Modular digital multimeters



Flush-mount digital multimeters
and power analyzers



Energy meters







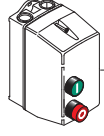







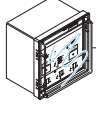

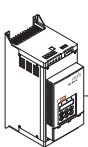




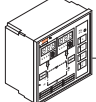


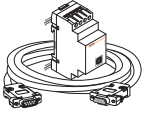
Switching power supplies



Planet Switch

Planet Din

Planet Logic

-  Motor protection circuit breakers
-  Switch disconnectors
-  Contactors
-  Motor protection relays
-  Electromechanical starters
-  Control and signalling units
-  Limit, micro and foot switches
-  Rotary cam switches
-  Modular contactors
-  Time relays
-  Protection relays
-  Level control relays
-  Earth leakage relays
-  Fuse holders
-  Metering instruments and current transformers
-  Soft starters
-  AC motor drives
-  Automatic power factor controllers
-  Automatic battery chargers
-  Automatic transfer switch controllers
-  Programmable logic relays
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