

Switch disconnectors

GE series 50A to 1600A

Three pole

Three pole switch disconnectors



GE...

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 purchase the handle and shaft extension ❶.					
GE0160 P ❶	160	160	125	1	0.850
GE0160	160	160	125	1	0.850
GE0200	200	160	125	1	0.900
GE0250	250 ❷	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	1000	800	1	7.000
GE1250	1250	1000	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 purchase the handle and shaft extension ❶❷.					
GE0050 F ❸	50	50	50	1	1.250
GE0125 F ❸	125	125	125	1	1.700
With NH fuse holder ❸.					
Separately purchase 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 purchase 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 11-22 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 250A Ith; 200A AC21A ≤500V.

Selection of handles
Refer to the left-hand switch disconnector table for the selection of the handle.
For other accessories see pages 11-19 and 11-20.

Direct operating	Door coupling	
	Black	Red/yellow
GEX65D	GAX66B	GAX66
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

Direct operating	Door coupling	
	Black	Red/yellow
GEX61D	GEX61NB	GEX61N
Direct operating	Door coupling	
	Black	Red/yellow
GEX61D	GEX61NB	GEX61N
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N
Comando diretto	Door coupling	
	Black	Red/yellow
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

- General characteristics**
- 50A to 1600A
 - Available versions: direct operating and door coupling
 - Screw fixing: 35mm DIN rail mount adapter kit for GE0160 P on p. 11-19
 - Padlockable in 0 position with no extra accessory.

- Operational characteristics**
- IEC rated insulation voltage Ui:
 - 1000V for GE0160...GE1600, GE0160 P, GE0250 N/B...GE0800 N/B
 - 800V for GE0050 F, GE0125 F, GE0160 N, GE0161 N, GE0160 B 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 and GE0800 N/B.

Certifications and compliance
Certifications obtained: EAC.
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]
	[A]	AC23A (≤400V)	AC23A (≤500V)		
		[A]	[A]	n°	[kg]
Separately purchase the handle and shaft extension ❶.					
GE0160 T4P ❶	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	1000	800	1	7.600
GE1250 T4	1250	1000	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 purchase the handle and shaft extension ❶❷.					
GE0050 FT4 ❹	50	50	50	1	1.550
GE0125 FT4 ❹	125	125	125	1	2.200
With NH fuse holder ❸.					
Separately purchase 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 purchase 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 11-23 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 250A Ith; 200A AC21A ≤500V.

Selection of handles

Refer to the left-hand switch disconnector table for the selection of the handle.
For the other accessories see pages 11-19 and 11-20.

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX65D	GAX66B	GAX66
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

Direct operating	Door coupling	
Black	Black	Red/yellow
GEX61D	GEX61NB	GEX61N
GEX61D	GEX61NB	GEX61N
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N
GEX62D	GEX66NB	GEX66N
GEX63D	GEX67NB	GEX67N
GEX64D	GEX68NB	GEX68N

General characteristics

- 50A to 1600A
- 4-pole types (3P+N) with early-make late-break neutral pole
- Available versions: direct operating and door coupling
- Screw fixing: 35mm DIN rail mount adapter kit for GE0160 T4P on p. 11-19
- Padlockable in 0 position with no extra accessory.

Operational characteristics

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

Certifications and compliance

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

Three-pole changeover switches



GE...E

Order code	IEC conventional free air thermal current I _{th} AC21A (≤500V)	IEC rated operational current I _e		Qty per pkg	Wt [kg]
		AC23B (≤400V)	AC23B (≤500V)		
	[A]	[A]	[A]	n°	[kg]

Separately purchase the handle and shaft extension ❶.

GE0160 E	160	160	125	1	1.800
GE0200 E	200	160	125	1	1.900
GE0201 E	200	160	125	1	4.800
GE0250 E	250	180	150	1	4.800
GE0315 E	315	200	160	1	5.000
GE0400 E	400	250	200	1	5.000
GE0500 E	500	400	250	1	11.500
GE0630 E	630	500	315	1	11.500
GE0800 E	800	630	400	1	11.900
GE1000 E	1000	1000	800	1	21.800
GE1250 E	1250	1000	900	1	23.600
GE1600 E	1600	1000	900	1	50.000

Four-pole changeover switches



GE...ET4

Order code	IEC conventional free air thermal current I _{th} AC21A (≤500V)	IEC rated operational current I _e		Qty per pkg	Wt [kg]
		AC23B (≤400V)	AC23B (≤500V)		
	[A]	[A]	[A]	n°	[kg]

Separately purchase the handle and shaft extension ❶.

GE0160 ET4	160	160	125	1	2.100
GE0200 ET4	200	160	125	1	2.200
GE0201 ET4	200	160	125	1	5.300
GE0250 ET4	250	180	150	1	5.300
GE0315 ET4	315	200	160	1	5.500
GE0400 ET4	400	250	200	1	5.500
GE0500 ET4	500	400	250	1	12.600
GE0630 ET4	630	500	315	1	12.600
GE0800 ET4	800	630	400	1	13.200
GE1000 ET4	1000	1000	800	1	24.300
GE1250 ET4	1250	1000	900	1	26.700
GE1600 ET4	1600	1000	900	1	55.000

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.

Selection of handles

Refer to the left-hand changeover switch table for the selection of the handle.
For the other accessories see pages 11-19 and 11-20.

Direct operating	Door coupling
Black	Black
GEX61E	GEX61NC
GEX62NE	GEX62NC
GEX63NE	GEX63NC
GEX64NE	GEX64NC

Selection of handles

Refer to the left-hand changeover switch table for the selection of the handle.
For the other accessories see pages 11-19 and 11-20.

Direct operating	Door coupling
Black	Black
GEX61E	GEX61NC
GEX62NE	GEX62NC
GEX63NE	GEX63NC
GEX64NE	GEX64NC

General characteristics

- 160A to 1600A
- 4-pole types (3P+N) with early-make late-break neutral pole
- Available versions: direct operating and door coupling
- Screw fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i: 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: EAC.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.



GEX10...



GEX89 00



GEX8...



GEX691C



GEX69...

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

Auxiliary contacts ①②.

GEX10 11①②	1NA/1NC changeover	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	1NA/1NC changeover	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	1NA/1NC changeover	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 pages from 11-21 to 11-23 and 11-25 for choice according to switch disconnector type. Screw fixing.

GEX81 01	1-piece set, transparent sheet covering 4 poles	1	0.048
GEX81 11	2-piece set, each covers two poles	1	0.080
GEX81 21	2-piece set, each covers two poles	1	0.140
GEX81 31	2-piece set, each covers two poles	1	0.170
GEX81 41	2-piece set, each covers two poles	1	0.440

Snap-on fixing.

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

Motorised control unit for changeover switches. Rated auxiliary supply voltage 230VAC/DC. Complete with control handle, shaft extension and fixing elements.



GEX69 0C	For GE0160 E...GE0200 E and GE0160 ET4...GE0200 ET4	1	3.000
GEX69 1C	For GE0201 E...GE0400 E and GE0201 ET4...GE0400 ET4	1	3.000
GEX69 2	For GE0500 E...GE0800 E and GE0500 ET4...GE0800 ET4	1	5.340
GEX69 3	For GE1000 E...GE1600 E and GE1000 ET4...GE1600 ET4	1	5.753

① Unsuitable for switch disconnectors type 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.

Selection of add-on contacts and accessories
 Refer to the combinations given on pages 11-21 to 23 and 11-25 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 (only for GEX692, GEX693) 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: EAC.
 Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.



GEX...D-GEX...E



GEX6 2NE



GAX66



GEX6 6N



GEX6 8N



GEX6 7NB



GAX7...A



GEX7...

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

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

GEX6 1D	95mm/3.7" black lever	1	0.340
GEX6 1E	50mm/2" black lever	1	0.052
GEX6 2D	105mm/4.1" black lever	1	0.268
GEX6 2NE	143mm/5.6" black lever	1	0.266
GEX6 3D Ⓜ	245mm/9.6" black lever	1	0.536
GEX6 3NE	176mm/6.9" black lever	1	0.424
GEX6 4D Ⓜ	360mm/14.2" black lever	1	0.612
GEX6 4NE Ⓜ	396mm/15.6" black lever	1	0.612
GEX6 5D	50mm/2" black lever	1	0.054
GEX6 6ND	115mm/4.5" black lever	1	0.216
GEX6 7ND	143mm/5.6" black lever	1	0.322
GEX6 8ND Ⓜ	396mm/15.6" black lever	1	0.328

DOOR COUPLING LEVER HANDLE, PADLOCKABLE ❶.
Red/yellow rotating type with screw fixing on door.
Shaft extension to order separately ❶.
Defeatable (requirement UL508A).

GAX66 Ⓜ	65mm/2.6" lever. □ 7mm/0.3" Ⓜ. IP66	1	0.075
GEX6 1N	94mm/3.7" lever. □ 7mm/0.3" IP65	1	0.326
GEX6 6N	115mm/4.5" lever. □ 10mm/0.4" IP65	1	0.248
GEX6 7N	143mm/5.6" lever. □ 14mm/0.6" IP65	1	0.302
GEX6 8N Ⓜ	396mm/15.6" lever. □ 14mm/0.6" IP65	1	0.312

DOOR COUPLING LEVER HANDLE, PADLOCKABLE ❶.
Black rotating type with screw fixing on door.
Shaft extension to order separately ❶.
Defeatable (requirement UL508A).

GAX66 B Ⓜ	65mm/2.6". □ 7mm/0.3" Ⓜ. IP66	1	0.075
GEX6 1NB	94mm/3.7". □ 7mm/0.3". IP65	1	0.334
GEX6 1NC	94mm/3.7". □ 7mm/0.3". IP65	1	0.074
GEX6 2NC	143mm/5.6". □ 10mm/0.4". IP65	1	0.252
GEX6 3NC	176mm/6.9". □ 14mm/0.6". IP65	1	0.302
GEX6 4NC Ⓜ	396mm/15.6". □ 14mm/0.6". IP65	1	0.488
GEX6 6NB	115mm/4.5". □ 10mm/0.4". IP65	1	0.246
GEX6 7NB	143mm/5.6". □ 14mm/0.6". IP65	1	0.298
GEX6 8NB Ⓜ	396mm/15.6". □ 14mm/0.6". IP65	1	0.310

SHAFT EXTENSIONS for door coupling handles ❶.

GAX7 150A	150mm/5.9", □ 7mm/0.3"	1	0.090
GAX7 200A	200mm/7.9", □ 7mm/0.3"	1	0.112
GAX7 300A	300mm/11.8", □ 7mm/0.3"	1	0.160
GEX7 162N	177mm/7", □ 7mm/0.3"	1	0.056
GEX7 195N	195mm/7.7", □ 14mm/0.6"	1	0.248
GEX7 227N	227mm/8.9", □ 10mm/0.4"	1	0.154
GEX7 239N	239mm/9.4", □ 14mm/0.6"	1	0.310
GEX7 250N	250mm/9.8", □ 7mm/0.3"	1	0.084
GEX7 345N	345mm/13.6", □ 14mm/0.6"	1	0.480
GEX7 375N	375mm/14.7", □ 10mm/0.4"	1	0.274
GEX7 387N	387mm/15.2", □ 7mm/0.3"	1	0.142
GEX7 536N	536mm/21.1", □ 10mm/0.4"	1	0.408
GEX7 535N	535mm/21", □ 14mm/0.6"	1	0.784
GEX7 485N	485mm/19.1", □ 14mm/0.6"	1	0.930

❶ See tables on pages 11-19 to 21 and 11-23 for the correct choice based on the switch disconnector type used.

Ⓜ 2-hand control.

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

Certifications and compliance

Certification obtained: EAC for all; cULus according to UL98A/CSA C22.2 no. 4 only for types GAX66... and GAX7...A.

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

Form and handle length	Handle types
50mm/2"	GEX61E-GEX65D
65mm/2.6"	GAX66-GAX66B
94mm/3.7"	GEX61N-GEX61NB GEX61NC
95mm/3.74"	GEX61D
105mm/4.1"	GEX62D
115mm/4.5"	GEX66ND-GEX66NB GEX66N
143mm/5.6"	GEX62NC-GEX62NE GEX67N-GEX67NB GEX67ND
176mm/6.9"	GEX63NC-GEX63NE
245mm/9.6"	2-hand GEX63D
360mm/14.2"	2-hand GEX64D
396mm/15.6"	2-hand GEX64NC-GEX64NE GEX68N-GEX68NB GEX68ND

For the correct choice of handles and shaft extensions with switch disconnector see tables on pages 11-20 to 23 and 11-25.

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

Type	IEC conventional thermal current Ith		IEC rated free air current		Direct operating handle			Door coupling handles			Extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)		Auxiliary contacts 1NO/1NC	Motorised control unit	Terminal covers for:									
	AC21A (≤500V)	AC23B (≤400V)	AC23B (≤500V)	Black	Black	Red/yellow	Exten. section	Max panel depth	Order code	Order code	Order code	Line 1	Line 2	Load										
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code	Order code	Order code	Order code	Order code										
Changeover switches. Three poles.																								
GE0160 E	160	160	125	GEX61E	GEX61NC	—	GEX7162N	7mm/ 0.3"	269/10.59"	GEX1011M	GEX690C	GEX8101	Ⓢ	—	GEX8101									
GE0200 E	200	160	125													GEX7250N	GEX7387N	269/10.59"	342/13.36"	479/18.86"				
GE0201 E	200	160	125	GEX62NE	GEX62NC	—	GEX7227N	10mm/ 0.4"	279/10.98"	GEX1011	GEX691C	GEX8212	GEX8211	GEX8311										
GE0250 E	250	180	150												GEX7375N	GEX7536N	427/16.81"	588/23.15"						
GE0315 E	315	200	160												GEX63NE	GEX63NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8222	GEX8221	GEX8321
GE0400 E	400	250	200																					
GE0500 E	500	400	250	GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8222	GEX8221	GEX8321											
GE0630 E	630	500	315											GEX7345N	GEX7535N	407/16.02"	597/23.50"							
GE0800 E	800	630	400											GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8222	GEX8221	GEX8321	
GE1000 E	1000	1000	800	GEX7345N	GEX7535N	407/16.02"	597/23.50"																	
GE1250 E	1250	1000	900	GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8222	GEX8221	GEX8321											
GE1600 E	1600	1000	900											GEX7345N	GEX7535N	407/16.02"	597/23.50"							
GE1600 E	1600	1000	900	—	—	—	GEX7239N	14mm/ 0.6"	579/22.79"	GEX1011M	—	GEX8141	—	GEX8141										
Changeover switches. Four poles.																								
GE0160 ET4	160	160	125	GEX61E	GEX61NC	—	GEX7162N	7mm/ 0.3"	269/10.59"	GEX1011M	GEX690C	GEX8101	Ⓢ	—	GEX8101									
GE0200 ET4	200	160	125													GEX7250N	GEX7387N	269/10.59"	342/13.36"	479/18.86"				
GE0201 ET4	200	160	125	GEX62NE	GEX62NC	—	GEX7227N	10mm/ 0.4"	279/10.86"	GEX1011	GEX691C	GEX8213	GEX8213	GEX8312										
GE0250 ET4	250	180	150												GEX7375N	GEX7536N	427/16.81"	588/23.15"						
GE0315 ET4	315	200	160												GEX63NE	GEX63NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8223	GEX8223	GEX8322
GE0400 ET4	400	250	200																					
GE0500 ET4	500	400	250	GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8223	GEX8233	GEX8332											
GE0630 ET4	630	500	315											GEX7345N	GEX7535N	407/16.02"	597/23.50"							
GE0800 ET4	800	630	400											GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8223	GEX8233	GEX8332	
GE1000 ET4	1000	1000	800	GEX7345N	GEX7535N	407/16.02"	597/23.50"																	
GE1250 ET4	1250	1000	900	GEX64NE	GEX64NC	—	GEX7195N	14mm/ 0.6"	257/10.12"	GEX692	GEX8223	GEX8233	GEX8332											
GE1600 ET4	1600	1000	900											GEX7345N	GEX7535N	407/16.02"	597/23.50"							
GE1600 ET4	1600	1000	900	—	—	—	GEX7239N	14mm/ 0.6"	579/22.79"	GEX1011M	—	GEX8141	—	GEX8141										

Ⓢ GEX81 01 terminal cover protects the input of both Line 1 and Line 2; nothing else is required for 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			Extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)		Auxiliary contacts 1NO/1NC	Type of fuse	Terminal covers for:	
	AC21A (≤500V)	AC23A (≤400V)	AC23A (≤500V)	Black	Black	Red/yellow	Exten. section	Max panel depth	Line	Load						
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	<input type="checkbox"/>	[mm/in]	Order code		Order code	Order code			

Switch disconnectors.

GE0160 P ②	160	160	125	GEX65D	GAX66B	GAX66	GAX7150A ⑤ GAX7200A ⑤ GAX7300A ⑤	7mm/ 0.3"	214/8.42" 264/10.39" 364/14.33"	GEX1011	—	②	②
GE0160	160	160	125										
GE0200	200	160	125										
GE0250 ③	250	160	125										
GE0251	250	250	200	GEX66ND	GEX66NB	GEX66N	GEX7227N GEX7375N GEX7536N	10mm/ 0.4"	267/10.51" 415/16.34" 576/22.68"	GEX1011	—	②	②
GE0315	315	315	250										
GE0400	400	400	315										
GE0500	500	500	400										
GE0630	630	630	500	GEX67ND	GEX67NB	GEX67N	GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	251/9.88" 401/15.79" 591/23.27"	GEX1011	—	②	②
GE0800	800	800	500										
GE1000	1000	1000	800										
GE1250	1250	1000	800										
GE1600	1600	1000	900	GEX68ND	GEX68NB	GEX68N	GEX7239N GEX7485N	14mm/ 0.6"	399/15.71" 645/25.39"	GEX1011	—	②	②

Switch disconnectors with NFC fuse holder.

GE0050 F ④	50	50	50	GEX61D	GEX61NB	GEX61N	GEX7162N GEX7250N GEX7387N	7mm/ 0.3"	192/7.56" 265/10.43" 402/15.83"	GEX1011N	14x51	④	④
GE0125 F ④	125	125	125					22x58					

Switch disconnectors with NH fuse holder.

GE0160 N	160	160	125	GEX61D	GEX61NB	GEX61N	GEX7162N GEX7250N GEX7387N	7mm/ 0.3"	192/7.56" 265/10.43" 402/15.83"	GEX1011N	00	GEX8201	GEX8201
GE0161 N	160	160	160					GEX62D	GEX66NB		GEX66N		
GE0250 N	250	250	250	GEX63D	GEX67NB	GEX67N	GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	271/10.67" 421/16.57" 611/24.05"	GEX1011	1	GEX8221	GEX8222
GE0400 N	400	400	400								2		
GE0630 N	630	630	630								GEX64D		
GE0800 N	800	630	630										

Switch disconnectors with BS fuse holder.

GE0160 B	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N GEX7375N GEX7536N	10mm/ 0.4"	302/11.89" 450/11.72" 611/24.05"	GEX1011	A4	GEX8211	GEX8212
GE0200 B	200	200	200					B1-B2					
GE0250 B	250	250	250					GEX63D	GEX67NB		GEX67N		
GE0315 B	315	315	315	B1-B2-B3-B4									
GE0400 B	400	400	400	GEX64D	GEX68NB	GEX68N	GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	285/11.22" 435/17.12" 625/24.61"	GEX1011	C1-C2	GEX8231	GEX8232
GE0630 B	630	630	630								C1-C2-C3		
GE0800 B	800	630	630										

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 rail, GEX89 00 kit is available on page 11-19.

③ 250A I_{th}; 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.

⑤ Extension length for type GAX7150A is 186mm/7.32", type GAX7200A 236mm/9.29" and type GAX7300A 336mm/13.23".

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		Extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)		Auxiliary contacts 1NO/1NC	Type of fuse	Terminal covers for:	
		AC21A (≤500V)	AC23A (≤400V)	AC23A (≤500V)				Exten. section			Max panel depth	Line
Order code	[A]	[A]	[A]	Order code	Order code	Order code	Order code	<input type="checkbox"/>	[mm/in]	Order code	Order code	Order code

Switch disconnectors.

GE0160 T4P ②	160	160	125	GEX65D	GAX66B	GAX66	GAX7150A ③ GAX7200A ③ GAX7300A ③	7mm/ 0.3"	214/8.42" 264/10.39" 364/14.33"	GEX1011	—	④	④
GE0160 T4	160	160	125										
GE0200 T4	200	160	125										
GE0250 T4 ⑤	250⑤	160	125										
GE0251 T4	250	250	200	GEX66ND	GEX66NB	GEX66N	GEX7227N GEX7375N GEX7536N	10mm/ 0.4"	267/10.51" 415/16.34" 576/22.68"	GEX1011	—	④	④
GE0315 T4	315	315	250										
GE0400 T4	400	400	315										
GE0500 T4	500	500	400										
GE0630 T4	630	630	500	GEX67ND	GEX67NB	GEX67N	GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	251/9.88" 401/15.79" 591/23.27"	GEX1011	—	④	④
GE0800 T4	800	800	500										
GE1000 T4	1000	1000	800										
GE1250 T4	1250	1000	800										
GE1600 T4	1600	1000	900	GEX68ND	GEX68NB	GEX68N	GEX7239N GEX7485N	14mm/ 0.6"	399/15.71" 645/25.39"	GEX1011	—	④	④

Switch disconnectors with NFC fuse holder.

GE0050 FT4 ⑥	50	50	50	GEX61D	GEX61NB	GEX61N	GEX7162N GEX7250N GEX7387N	7mm/ 0.3"	192/7.56" 265/10.43" 402/15.83"	GEX1011N	14x51 22x58	④	④
GE0125 FT4 ⑥	125	125	125										

Switch disconnectors with NH fuse holder.

GE0160 NT4	160	160	125	GEX61D	GEX61NB	GEX61N	GEX7162N GEX7250N GEX7387N	7mm/ 0.3"	192/7.56" 265/10.43" 402/15.83"	GEX1011N	00	GEX8203	GEX8203							
GE0161 NT4	160	160	160					GEX62D	GEX66NB		GEX66N			GEX7227N GEX7375N GEX7536N	10mm/ 0.4"	302/11.89" 450/17.72" 611/24.05"	GEX1011	0	GEX8213	GEX8213
GE0250 NT4	250	250	250												GEX63D	GEX67NB		GEX67N		
GE0400 NT4	400	400	400	GEX64D	GEX68NB	GEX68N	GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	285/11.22" 435/17.12" 625/24.61"	GEX1011	3	GEX8233	GEX8233							
GE0630 NT4	630	630	630																	
GE0800 NT4	800	630	630																	

Switch disconnectors with BS fuse holder.

GE0160 BT4	160	160	160	GEX62D	GEX66NB	GEX66N	GEX7227N GEX7375N GEX7536N	10mm/ 0.4"	302/11.89" 450/17.72" 611/24.05"	GEX1011	A4 B1-B2	GEX8213	GEX8213							
GE0200 BT4	200	200	200					GEX63D	GEX67NB		GEX67N			GEX7195N GEX7345N GEX7535N	14mm/ 0.6"	271/10.67" 421/16.57" 611/24.05"	GEX1011	B1-B2-B3 B1-B2-B3-B4	GEX8223	GEX8223
GE0250 BT4	250	250	250												GEX64D	GEX68NB		GEX68N		
GE0315 BT4	315	315	315																	
GE0400 BT4	400	400	400																	
GE0630 BT4	630	630	630																	
GE0800 BT4	800	630	630																	

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 rail, GEX89 00 kit is available on page 11-19.

③ 250A I_{th}; 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.

⑤ Extension length for type GAX7150A is 186mm/7.32", type GAX7200A 236mm/9.29" and type GAX7300A 336mm/13.23".

Four-pole switch disconnectors



GE...DT4

Order code	IEC conventional free air thermal current I _{th}	IEC rated operational current I _e DC21B ②③			Qty per pkg	Wt [kg]
		220V	800V	1000V		
	[A]	[A]	[A]	[A]	n°	[kg]

Direct operating and door coupling versions.
Separately purchase the handle and shaft extension ①.

GE0125 DT4	125	125	125	100	1	1.900
GE0250 DT4	250	250	250	200	1	2.000
GE0315 DT4	315	315	280	250	1	4.000
GE0630 DT4	630	630	600	500	1	4.500
GE0800 DT4	800	800	630	630	1	4.500
GE1250 DT4	1250	1250	1000	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 4 poles in series.

③ For other operational voltages, refer to technical characteristics on page 11-38.

Selection of handles and accessories

Refer to the left-hand switch disconnector table for the selection of the handle.

For the other accessories see pages 11-19 and 11-20.

Direct operating Black	Door coupling	
	Black	Red/yellow
GEX66ND	GEX66NB	GEX66N
GEX67ND	GEX67NB	GEX67N
GEX68ND	GEX68NB	GEX68N

General characteristics

- Up to 850A, 1000VAC
- Available versions:
 - Direct operating
 - Door coupling. Use switch disconnector with direct actuator and separately purchase the handle and shaft extension for this version. See page 11-20
- Screw fixing
- Padlockable in 0 position with no extra accessory.

Operational characteristics

- IEC rated insulation voltage U_i: 1000V
- Mechanical life:
 - 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: EAC.
Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-3.

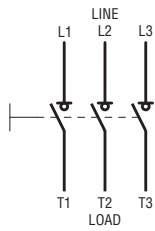
Summary table of combinations - switch disconnectors for photovoltaic applications

Four pole type ⑤	IEC conventional free air thermal current I _{th}	IEC rated operational current I _e DC21B ②			Direct operating handle	Door coupling handles			Extensions for door coupling handles (the last 3 digits of GEX code indicate length in mm/in)		Auxiliary contacts 1NO/1NC	Terminal covers for:	
		600V	800V	1000V	Black	Black	Red/yellow	Exten. section	Max panel depth	Line	Load		
Order code	[A]	[A]	[A]	[A]	Order code	Order code	Order code	Order code	□	[mm/in]	Order code	Order code	Order code
Switch disconnectors for photovoltaic applications.													
GE0125 DT4	125	125	125	100	GEX66ND	GEX66NB	GEX66N	GEX7227N	10mm/0.4"	267/10.51"	GEX1011	GEX8111	GEX8111
GE0250 DT4	250	250	250	200				GEX7375N		415/16.34"			
GE0315 DT4	315	315	280	250				GEX7536N		576/22.68"			
GE0630 DT4	630	630	600	500	GEX67ND	GEX67NB	GEX67N	GEX7195N	14mm/0.6"	251/19.88"		GEX8121	GEX8121
GE0800 DT4	800	700	630	630				GEX7345N		401/15.79"			
GE1250 DT4	1250	1250	1000	850	GEX68ND	GEX68NB	GEX68N	GEX7535N		591/23.27"		GEX8131	GEX8131
										267/10.51"			
										417/16.42"			
										607/23.90"			

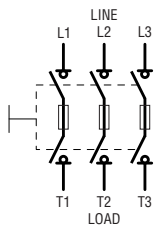
⑤ The motorised control unit cannot be installed.

GE SERIES - 50A TO 1600A SWITCH DISCONNECTORS

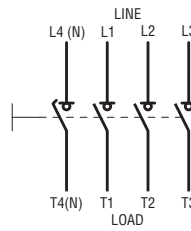
Three-pole disconnectors
GE0160 - GE1600
GE0160 P



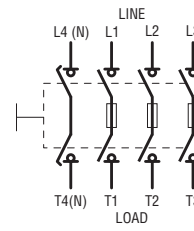
Three-pole disconnectors with fuse holders
GE0050 F - GE0125 F
GE0160 N - GE0800 N
GE0160 B - GE0800 B



Four-pole disconnectors
GE0160 T4 - GE1600 T4
GE0160 T4P

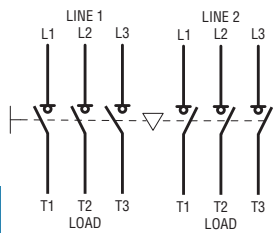


Four-pole disconnectors with fuse holders
GE0050 FT4 - GE0125 FT4
GE0160 NT4 - GE0800 NT4
GE0160 BT4 - GE0800 BT4

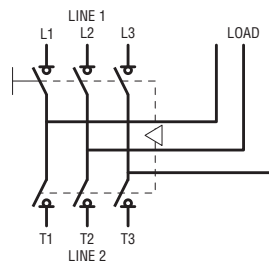


160A TO 1250A CHANGEOVER SWITCHES

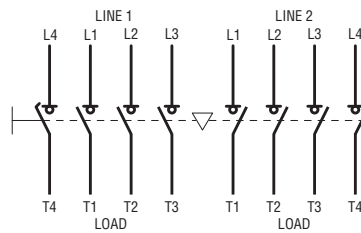
Three-pole switches
GE0160 E - GE0200 E



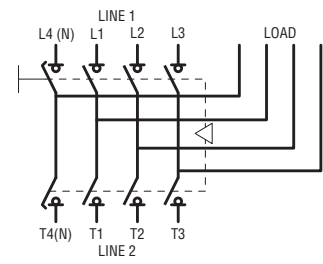
GE0201 E - GE1600 E



Four-pole switches
GE0160 ET4 - GE0200 ET4



GE0201 ET4 - GE1600 ET4

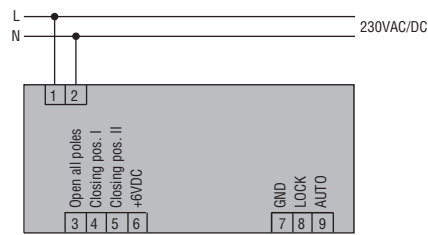


ADD-ON BLOCKS AND ACCESSORIES

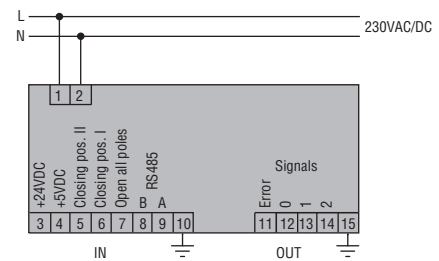
Auxiliary contacts
GEX10 11 - GEX10 11M - GEX10 11N



Motorised control unit
GEX69 0C - GEX69 1C

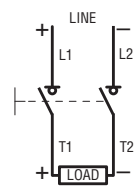


Motorised control unit
GEX69 2 - GEX69 3

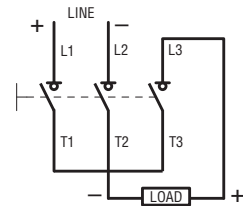


SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GA...D** (poles in series to wire)

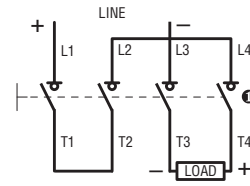
One-line control
 2 poles in series



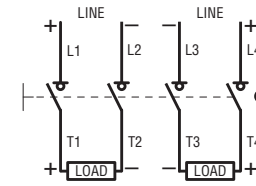
3 poles in series



4 poles in series



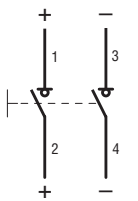
Two-lines control
 2+2 poles in series



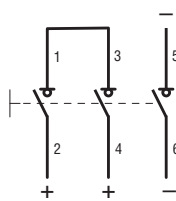
① The positive pole fitted on the right side of the disconnector can also be fitted on the left side; the connections must be changed in consequence.

SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GD...** (jumpers supplied as standard)

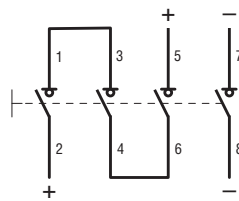
One-line control
GD025 AT2



GD032 AT3

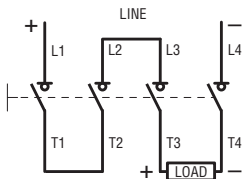


GD040 AT4

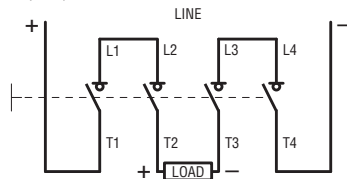


SWITCH DISCONNECTORS FOR PHOTOVOLTAIC APPLICATIONS **GE...DT4** (poles in series to wire)

One-line control
 4 poles in series



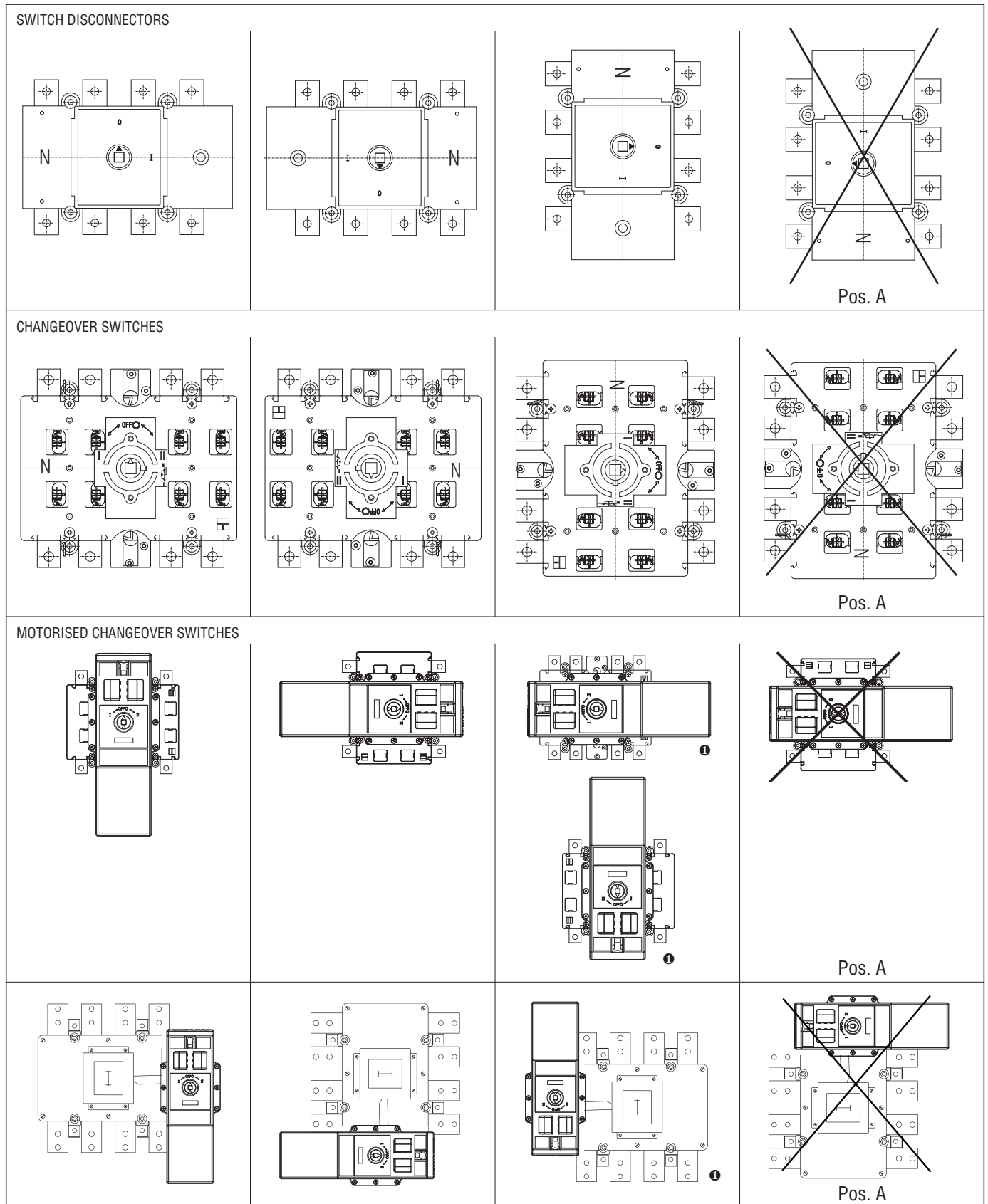
4 (2+2) poles in series



MOUNTING POSITION

The performances, given in this catalogue, have been established with GE series switch disconnectors mounted on a vertical place with line terminals facing upwards and load terminals facing downwards.

All GE series switch disconnectors can be mounted as illustrated in the following figures without any derating except for position A. It is not recommended to mount switch disconnectors with the neutral pole facing downwards.



❶ Special assembly. Contact our Customer Service office (Tel. +39 035 4282422; E-mail: service@LovatoElectric.com) for details.

Switch disconnectors

Technical characteristics

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

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														
IEC conventional free air thermal current I _{th} (≤40°C)	A	160	200	250	250	315	400	500	630	800	1000	1250	1600	
IEC rated insulation voltage U _i	V	1000												
IEC rated impulse withstand U _{imp}	kV	8						12						
IEC 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	200	250	250	500	630	800	1000	1000	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	1000	1250
	690V	A	125	160	160	160	200	200	400	500	500	630	630	1000
AC23A	400V	A	160	160	160	250	315	400	500	630	800	1000	1000	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
IEC reactive power for control of capacitors 400V senφ=0,65	kvar	72	72	72	112	142	180	225	284	284	360	360	450	
IEC rated operational power														
AC23A	400V	kW	90	90	90	138	174	220	220	349	443	443	554	
	690V	kW	75	75	75	153	153	153	239	300	300	478	600	
Short circuit protection														
Rated short-time current (1s) I _{cs}	kA rms	7				12			16			25		50
Conditional short-circuit current ①	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	Lug terminal ② 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	18				24				45	55		
	lbft	10④	13				18				33	40		
Max. conductor section	mm ²	95	120		185		240	2x185	2x240		2x300		—	
Max. bar size (thickness-width)	mm	5-25⑥	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 limiting peak current and specific through energy.
- ② Not suitable for types GE0160 P and GE0160 T4P.
- ③ Types GE...P have hex terminals IP20.
- ④ 4Nm/3lbft only for types GE...P.
- ⑤ The 4-pole types (3P+N) have early-make late-break neutral pole.

Switch disconnectors

Technical characteristics

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

TYPE	NFC	3-pole	GE0050 F	GE0125 F	-	-	-	-	-	-	-	-
		4-pole ^②	GE0050 FT4	GE0125 FT4	-	-	-	-	-	-	-	-
BS	3-pole	-	-	GE0160 B	-	GE0200 B	GE0250 B	GE0315 B	GE0400 B	GE0630 B	GE0800 B	
	4-pole ^②	-	-	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-pole ^②	-	-	GE0160 NT4	GE0161 NT4	-	GE0250 NT4	-	GE0400 NT4	GE0630 NT4	GE0800 NT4	

CONTACT CHARACTERISTICS

IEC conventional free air thermal current I _{th} (≤40°C)	A	50	125	160	160	200	250	315	400	630	800	
IEC rated insulation voltage U _i	V	800	800	800			1000					
IEC rated impulse withstand U _{imp}	kV	8	8	8			12					
IEC 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	100	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
Power dissipation	NFC	W/pole	4.7	12.5	—	—	—	—	—	—	—	—
	BS	W/pole	—	—	12	—	13	12	24	29	44	63
	NH	W/pole	—	—	11,8	13,5	—	18,7	—	30	48	57
IEC reactive power for control of capacitors 400V	kvar	18	52	60	60	75	115	150	200	250	325	
IEC rated operational power AC23A	400V	kW	25	65	90	90	110	132	185	220	355	355
	690V	kW	42	80	90	110	132	160	200	250	370	370
Short circuit protection	Spec. through energy I ² t	kA ² s	0.076	0.19	0.19	0.478	0.478	1.6	1.6	1.6	4.6	4.6
	Conditional short circuit current	kA rms	50	50	100 ^①	100	100	100	100	100	100	100
Making capacity AC23A 400V	A	500	1250	1600			2000	2500	3150	4000	6300	
Breaking capacity AC23A 400V	A	400	1000	1280			1600	2000	2600	3200	5100	
Mechanical life	cycles	10,000	10,000				10,000			5,000		
Electrical life (AC23A 400V)	cycles	1,500	1,500				1,000			500		
Terminals	type			Lug terminal or bars								
	A mm	—	—	20	25			30		35	40	50
	B mm	—	—	3			4		5	6		
Tightening torque	screw	M6	M6	M8			M10			M12	4x M8	
	Nm	3	4	13			24			45	13	
Max. conductor section	lbft	2,2	3	10			18			33	10	
	mm ²	35	93	95	120			240			2x185	2x240
Max. bar size (thickness-width)	mm	—	—	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 types GE0160 N and GE0160 NT4.

② Types GE...F have hex terminals IP20.

③ The 4-pole types (3P+N) have early-make late-break neutral pole.

Switch disconnectors

Technical characteristics

GE series 160A to 1600A - Three and four-pole 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	
	4-pole ②	GE0160 ET4	GE0200 ET4	GE0201 ET4	GE0250 ET4	GE0315 ET4	GE0400 ET4	GE0500 ET4	GE0630 ET4	GE0800 ET4	GE1000 ET4	GE1250 ET4	GE1600 ET4	
CONTACT CHARACTERISTICS														
IEC conventional free air thermal current I _{th} (≤40°C)	A	160	200	250	315	400	500	630	800	1000	1250	1600		
IEC rated insulation voltage U _i	V	1000						1000						
IEC rated impulse withstand U _{imp}	kV	8						12						
IEC 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	315③	400	500	630③	800	1000③	1000
AC23B	400V	A	160	160	160	180	200	250	400	500	630	1000	1000	1000
	500V	A	125	125	125	150	160	200	250	315	400	800	900	900
	690V	A	80	80	80	100	125	160	250	250	315	630	630	630
Power dissipation	W/pole	4	6	8	8,5	13,5	22	28	44,5	72	76	118	128	
IEC reactive power for control of capacitors 400V	kvar	72	72	83	104	131	166	208	262	333	415	415	450	
IEC rated operational power AC23A	400V	kW	89	89	100	100	125	125	200	200	315	500	525	550
	690V	kW	76	76	69	86	108	138	173	216	272	544	575	600
Short circuit protection														
Rated short-time current (1s) I _{cs}	kA rms	7	7	8				13				25	35	
Conditional short-circuit current ①	kA rms	100	100	100						72				
With fuse class gG	A	160	200	250		315	400	500	630	800	1000	1250	2x800	
Making capacity AC23A 400V	A	1600	1600	3150		4000		6300		8000	10000	10000	10000	
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	Lug terminal 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		
Max. conductor section	mm ²	95	120	240			2x240			-	-	-		
Max. 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 limiting peak current and specific through energy.
- ② The 4-pole types (3P+N) have early-make late-break neutral pole.
- ③ Value in AC22B.

Switch disconnectors

Technical characteristics

GE series for photovoltaic applications

TYPE	4-pole	GE0125 DT4	GE0250 DT4	GE0315 DT4	
CONTACT CHARACTERISTICS					
IEC conventional free air thermal current I _{th} (≤40°C)	A	125	250	315	
IEC rated insulation voltage U _i	V	1000			
IEC rated impulse withstand U _{imp}	kV	8			
IEC rated operational current I _e DC21B	48V A	125	250	315	
4 poles in series	110V A	125	250	315	
	220V A	125	250	315	
	400V A	125	250	315	
	440V A	125	250	315	
	500V A	125	250	315	
	600V A	125	250	315	
	750V A	125	250	290	
	800V A	125	250	280	
	850V A	125	240	270	
	900V A	125	220	260	
	1000V A	100	200	250	
Mechanical life	cycles	20,000			
Terminals		type	Lug terminal ② or bars		
		A mm	20	25	25
		B mm	4	4	4
		vite	M8	M10	M10
Tightening torque	Nm	13	18	18	
	lbft	10	13	13	
Max. bar size (thickness-width)	mm	7-25			
Max. conductor section	mm ²	185			
AMBIENT CONDITIONS					
Temperature	Operating	°C	-25...+55		
	Storage	°C	-40...+70		
Maximum altitude	m	3000			
Mounting position	Normal	Vertical			
	Admissible	Any			
Fixing		Screw			

- ① 4Nm/3lbft only for GE0160 DT4P.
- ② GE0160 DT4P has pillar terminal, IP20.
- ③ Not suitable for type GE0160 DT4P.

Switch disconnectors

Technical characteristics

GE series for photovoltaic applications

GE0630 DT4	GE0800 DT4	GE1250 DT4
630	800	1250
	1000	
	12	
630	800	1250
630	800	1250
630	800	1250
630	800	1250
630	750	1250
630	700	1250
630	700	1250
630	650	1050
600	630	1000
600	630	940
600	630	870
500	630	850
	10,000	
	Lug terminal ② or bars	
30	30	40
5	5	8
M10	M10	M14
24	24	45
18	18	33
2x 5-40 (thickness-width)	2x 5-40	2x 10-50
2x240	2x240	2x300
	-25...+55	
	-40...+70	
	3000	
	Vertical	
	Any	
	Screw	

- ① 4Nm/3lbf only for GE0160 DT4P.
- ② GE0160 DT4P has pillar terminal, IP20.
- ③ Not suitable for type GE0160 DT4P.