

GE series four-pole switch disconnectors



GE...DT4

Order code	IEC conventional free air thermal current Ith [A]	IEC rated operational current Ie DC21B			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.

Order code	125	250	315	630	800	1250
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

- 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.
- Connectors of 4 poles in series.
- For other operational voltages, refer to technical characteristics on page 11-60.

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 11-31 and 11-32.

Direct operating	Door coupling	
	Black	Red/yellow
GE068ND	GEX68NB	GEX68N
GE067ND	GEX67NB	GEX67N
GE068ND	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 11-32
 - Screw fixing
 - Padlockable in 0 position with no extra accessory.
- Operational characteristics**
- IEC rated insulation voltage UI: 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	IEC conventional free air thermal current Ith	IEC rated operational current Ie DC21B			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	<input type="checkbox"/>	[mm/in]	Order code	Order code	Order code		
Switch disconnectors for photovoltaic applications.															
GE0125 DT4	125	125	125	100	GEX68ND	GEX68NB	GEX68N	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	578/22.68"
GE0630 DT4	630	630	600	500	GEX67ND	GEX67NB	GEX67N	GEX7195N	14mm/ 0.6"	251/9.88"	GEX8121	GEX8121			
GE0800 DT4	800	700	630	630									GEX7345N	401/15.79"	
GE1250 DT4	1250	1250	1000	850	GEX68ND	GEX68NB	GEX68N	GEX7535N		267/10.51"	GEX8131	GEX8131			
										417/16.42"			607/23.90"		

The motorised control unit cannot be installed.

11 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 UI	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		Lug terminal or bars			
		A mm	20	25	25
		B mm	4	4	4
		screw	M8	M10	M10
Tightening torque	Nm	13	18	18	
	lbf ²	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		

- 4Nm/3lbf² only for GE0160 DT4P.
- GE0160 DT4P has pillar terminal, IP20.
- Not suitable for type GE0160 DT4P.