GYM7DC

Supreme • Prospective

New energy high voltage circuit breaker



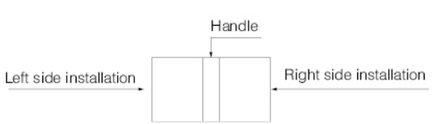
- Zero arc, +50℃
- It complies with UL 489 standard
- Single pole DC1500V Ics=10kA
- No capacity derating, no polarity, no capacity derating for reversing line

Main performance indicator

Model	GYM7DC-320	GYM7DC-400/630	GYM7DC-1600	
Rated current	63、80、100、125、140、160、180、200、225、250、315、320	225、250、320、350、400、500、630	800A、1000A、1250A、1500A、1600A	
Number of poles	2P	2P	3P	4P
Rated working voltage Ue DC	1500	1500	1500	
Rated insulation voltage Ui (V)	1800		1800	
Rated impulse withstand voltage Uimp (V)	12		12	
Power frequency withstand voltage (1min) (kV)	3500		3500	
Rated ultimate short-circuit breaking capacity Icu (V)	DC1200V DC1500V	DC750V DC1000V	DC750V DC1000V	DC1200V DC1500V
Rated service short-circuit breaking capacity Ics (kA)	35kA 20kA	85kA 50kA	50kA 30kA	15kA 10kA
Mechanical life (kA)	4000			
Electrical life (times)	10000		500	
Arc distance (times)	50、0 (with arc extinguishing chamber)		100	
Basic dimension W×L×H(mm)	90×215×136	110×275×152	3P：210×340×244 4P：280×340×244	
Instantaneous release (mm)	5In or 10In			
Reference ambient temperature (℃)	50℃			

Installation details of internal accessories for GYM7DCDC series molded case circuit breaker

Internal accessory code and installation location	Model / Number of poles / Accessory name	GYM7DC-320	GYM7DC-400/630	GYM7DC-1600	
		2P	2P	3P	4P
00	None	——	——	——	——
08	Alarm contact	□	□	□	□
10	Shunt release	●	●	●	●
18	Shunt release+alarm contact	——	□ ●	□ ●	□ ●
20	Single auxiliary contact	◧	◧	◧	◧
27	Dual auxiliary contacts	◨	◨	◨	◨
28	Single auxiliary contact+alarm contact	□ ◧	□ ◧	□ ◧	□ ◧
29	Dual auxiliary contacts+alarm contact	——	□ ◨	□ ◨	□ ◨
30	Undervoltage release	○	○	○	○
38	Undervoltage release+alarm contact	——	□ ○	□ ○	□ ○
40	Shunt release+single auxiliary contact	——	◧ ●	◧ ●	◧ ●
48	Shunt release+auxiliary alarm contact	——	□ ◧ ●	□ ◧ ●	□ ◧ ●
62	Two sets of dual auxiliary contacts	——	◨	◨	◨
68	Single auxiliary contact+auxiliary alarm contact	□ ◧	□ ◧	□ ◧	□ ◧
69	Dual auxiliary contacts+auxiliary alarm contact	——	□ ◨	□ ◨	□ ◨
70	Undervoltage release+single auxiliary contact	——	◧ ○	◧ ○	◧ ○



□ Alarm contact

◧ Single auxiliary contact (one set of conversion)

◨ Dual auxiliary contacts (two sets of conversions)

○ Undervoltage release

● hunt release (mechanical)

Note 1:
Code 50: 125, 160 require customized left undervoltage release; 250 requires customized left shunt release, with optional range of shunt and undervoltage voltage: DC24V, DC110V, DC220V, AC230V, AC400V; conventional: AC230V.