



GYM7DC

New Energy High Voltage Circuit Breaker

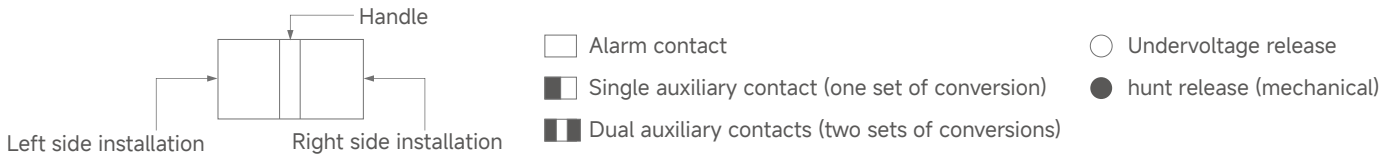
- Zero arc,+50°C
- It complies with UL 489 standard
- Single pole DC 1500V Ics=10kA
- No capacity derating, no polarity, no capacity derating for reversing line

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		1800			
Rated impulse withstand voltage Uimp (V)	12		12		12			
Power frequency withstand voltage (1min) (kV)	3500		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		10000		500			
Arc distance (times)	50、0 (with arc extinguishing chamber)				100			
Basic dimension W*L*H(mm)	90x215x136		110x275x152		3P:210x340x244 4P:280x340x244			
Instantaneous release (mm)	5in or 10In							
Reference ambient temperature (°C)	50°C							

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

Internal accessory code and installation location	Model	Number of poles			
		GYM7DC-320	GYM7DC-400/630	GYM7DC-1600	
	Accessory name	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	—			



Note 1:
Code 5: 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.