

Product type designation				GX20
General characteristics				
Switching diagram				10
N° of elements				2
Contact characteristics				
Rated insulation voltage U_i	IEC/EN	V	690	
	UL/CSA	V	600	
Rated impulse withstand voltage U_{imp}	kV		6	
Conventional free air thermal current I_{th}	UL/CSA	A	15	
			V	440
Rated operational voltage			V	440
			A	16
Maximum fuse size for short-circuit protection I_n (gG)	25kA	A	16	
Rated short time current I_{cw}	1s	A	250	
Operational current I_e IEC/EN	AC1/AC21A		A	20
AC15	110V	A	10	
	220/230V	A	8	
	660/690V	A	3.7	
Rated operational power in AC				
Single-phase AC-3	380/440V		kW	3
Three-phase AC23A	380/440V		kW	7.5
Single-phase AC23A	380/440V		kW	3.5
Rated operational current in DC				
DC21A	48V	A	20	
	60V	A	20	
	110V	A	4	
	440V	A	0.25	
DC23A (poles in series)	24V	A	20 (1)	
	48V	A	20 (2)	
	60V	A	20 (3)	
	110V	A	10 (3)	
	220V	A	8 (4)	
DC13	24V	A	20	
	48V	A	16	
	60V	A	12	
	110V	A	1	
	220V	A	0.4	
440V	A	0.15		
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max				Nm 0.8
Conductor size				

AWG - Rigid cable

min	AWG	20
Max	AWG	14

AWG - Flexible cable

min	AWG	20
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Conductor size (IEC) - Flexible cable

min	mm ²	0.5
Max	mm ²	2.5

Conductor size (IEC) - Rigid cable

Max	mm ²	2.5
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Mechanical life

cycles	5x10 ⁶
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UL technical data

Motor power for direct-on-line control

for three-phase motor

240V	HP	3
480V	HP	5
600V	HP	5

for single-phase motor

120V	HP	0.75
240V	HP	1.5

Ambient conditions

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree

IP65

Terminals IP degree

IP20

ETIM classification

ETIM 8.0

EC001105 - Off-load switch