

Product designation				Rotary cam switches
Product type designation				GX20
General characteristics				
Switching diagram				29
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	
Rated operational voltage			V	440
Maximum fuse size for short-circuit protection I_n (gG)			A	16
			25kA	
Rated short time current I_{cw}			A	250
			1s	
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
Rated operational power in AC	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 5x10⁶

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

EC001029 -
Selector switch,
complete