

Product designation				Rotary cam switches	
Product type designation				GX20	
General characteristics					
Switching diagram				85 - Multi-step 1-2-3-4-6 1 pole	
N° of elements				3	
Mounting form				O - Rear mounting with black handle	
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}	IEC/EN	A	20		
	UL/CSA	A	15		
Rated operational voltage			V	440	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20		
	15kA	A	20		
	25kA	A	20		
			1s	kA	250
Rated short time current I_{cw}			1s	kA	
Conductivity				10/5 mA/V	
Operational current I_e IEC/EN	AC1/AC21A		A	20	
	AC15				
		110V	A	10	
		220/230V	A	8	
		380/400V	A	6	
		660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3				
			220/230V	kW	3.7
			380/440V	kW	5.5
			500/690V	kW	5.5
	Single-phase AC-3				
			110V	kW	0.75
			220/230V	kW	1.8
			380/440V	kW	3
	Three-phase AC23A				
			220/230V	kW	4
			380/440V	kW	7.5
			500/690V	kW	7.5
Single-phase AC23A					
		110V	kW	0.75	
		220/230V	kW	2.2	
		380/440V	kW	3.5	
Rated operational current in DC					

DC21A				
	48V	A	20	
	60V	A	20	
	110V	A	4	
	220V	A	0.6	
	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	
Power dissipation		W	0.6	
Mechanical features				
Terminals screw				M3
Tightening torque for terminals max		Nm	0.8	
Conductor size				
AWG - Rigid cable				
	min	AWG	20	
	Max	AWG	12	
AWG - Flexible cable				
	min	AWG	20	
	Max	AWG	12	
Conductor size (IEC) - Flexible cable				
	min	mm ²	0.5	
	Max	mm ²	2.5	
Conductor size (IEC) - Rigid cable				
	min	mm ²	0.5	
	Max	mm ²	2.5	
Mechanical life		cycles	1X10 ⁶	
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP	1.5	
	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	

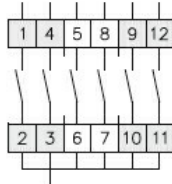
max °C +70

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

Wiring diagrams



1	X				
2			X		
3					X
4		X			
5			X		
6					X

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Certifications and compliance

Compliance

- CSA C22.2 n° 14
- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1
- UL60947-4-1

Certificates

- cULus
- EAC

ETIM classification

ETIM 8.0	EC001029 - Selector switch, complete
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