

Product designation				Rotary cam switches
Product type designation				GX20
General characteristics				
Switching diagram				83 - Multi-step 1-2-3-4 1 pole
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail 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	
Rated short time current I_{cw}				
	1s	A	250	
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

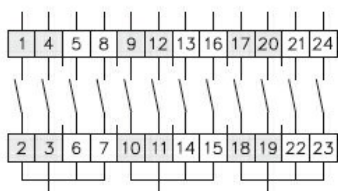
min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree	IP65
Terminals IP degree	IP20

Dimensions

Wiring diagrams



1	X			X			X		
2		X			X			X	
3			X			X			X
4		X		X			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