

Product designation				Enclosed rotary cam switch
Product type designation				GX20
<b>General characteristics</b>				
Switching diagram				84 - Multi-step 1-2-3-4-5 1 pole
N° of elements				3
Mounting form				P - Plastic enclosure with black handle
<b>Contact characteristics</b>				
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	kA	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	
<b>Mechanical features</b>				
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 <sup>2</sup>	0.5	
	Max	mm <sup>2</sup>	2.5	
Conductor size (IEC) - Rigid cable				
	min	mm <sup>2</sup>	0.5	
	Max	mm <sup>2</sup>	2.5	
Mechanical life		cycles	1X10 <sup>6</sup>	
<b>UL technical data</b>				
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	
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	

max °C +70

**Resistance & Protection**

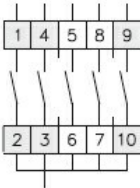
Frontal IP degree	IP65
Terminals IP degree	IP20

**Dimensions**



GX16	90x90	1-2	3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4xPG16	IP65
GX20		1-2	3-5												
GX16	110x110	1-3	4-7	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
GX20		1-3	4-7												
GX32		1-2	3-4												
GX40		1-2	3-4												

**Wiring diagrams**



1	X			
2			X	
3				X
4		X		
5				X

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**Certifications and compliance**

**Compliance**

- IEC/EN/BS 60947-1
- IEC/EN/BS 60947-3
- IEC/EN/BS 60947-5-1
- IEC/EN/BS 61058-1

**Certificates**

EAC

**ETIM classification**

ETIM 8.0

EC001029 -  
Selector switch,  
complete