

Product designation				Rotary cam switches
Product type designation				GX16
General characteristics				
Switching diagram				60
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	16	
	UL/CSA	A	12	
Rated operational voltage			V	440
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	20	
	25kA	A	16	
Rated short time current I_{cw}			1s	A
				250
Operational current I_e IEC/EN	AC1/AC21A			A
	AC15			
	110V	A	10	
	220/230V	A	8	
	380/400V	A	4	
	660/690V	A	3	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	3.5	
	380/440V	kW	4.5	
	500/690V	kW	5.5	
	Single-phase AC-3			
	110V	kW	0.55	
	220/230V	kW	1.5	
	380/440V	kW	2.2	
	Three-phase AC23A			
	220/230V	kW	3.7	
	380/440V	kW	6.5	
	500/690V	kW	7.5	
	Single-phase AC23A			
	110V	kW	0.75	
	220/230V	kW	1.8	
	380/440V	kW	3	
Rated operational current in DC	DC21A			
	48V	A	16	
	60V	A	16	
	110V	A	4	
	220V	A	0.5	
	440V	A	0.25	
	DC23A (poles in series)			
	24V	A	16 (1)	

48V	A	16 (2)
60V	A	16 (3)
110V	A	10 (3)
220V	A	7 (4)

DC13

24V	A	16
48V	A	14
60V	A	12
110V	A	0.8
220V	A	0.3
440V	A	0.15

Mechanical features

Terminals screw			3M
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Tightening torque for terminals max		Nm	0.5
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Conductor size

AWG - Rigid cable

min	AWG	20
Max	AWG	14

AWG - Flexible cable

min	AWG	20
Max	AWG	14

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	5x10 ⁶
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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

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
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Terminals IP degree		IP20
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ETIM classification

ETIM 8.0

EC001105 - Off-load switch