

Product designation			Rotary cam switches
Product type designation			GX16
General characteristics			
Switching diagram			86
N° of elements			3
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	16
	UL/CSA	А	12
Rated operational voltage		V	440
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	20
	25kA	А	16
Rated short time current Icw			
	1s	А	250
Operational current le IEC/EN			
AC1/AC21A			
		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	А	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			
<u> </u>	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Rated operational current in DC			
DC21A			
	48V	А	16
	60V	A	16
	110V	A	4
	220V	A	0.5
	440V	A	0.25
DC23A (poles in series)	1101		

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		24V	A	16 (1)
		48V	А	16 (2)
		60V	А	16 (3)
		110V	А	10 (3)
		220V	А	7 (4)
	DC13			
		24V	А	16
		48V	A	14
		60V	A	12
		110V	A	0.8
		220V	A	0.3
		440V	A	0.15
Mechanical features				
Terminals screw				3M
Tightening torque for t	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	14
	AWG - Flexible cable	IVIAA	ANO	14
	AWG - Flexible cable			00
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm∸	2.0
Mechanical life		Max	mm <sup>2</sup>	2.5 5x10 <sup>6</sup>
Mechanical life		Max	cycles	2.5 5x10 <sup>6</sup>
UL technical data	t-on-line control	Max		
		Max		
UL technical data	t-on-line control for three-phase motor		cycles	5x10 <sup>6</sup>
UL technical data		120V	cycles HP	5x10 <sup>6</sup>
UL technical data		120V 240V	Cycles HP HP	5x10 <sup>6</sup> 1.5 3
UL technical data		120V 240V 480V	cycles HP HP HP	5x10 <sup>6</sup> 1.5 3 5
UL technical data		120V 240V	Cycles HP HP	5x10 <sup>6</sup> 1.5 3
UL technical data		120V 240V 480V	cycles HP HP HP	5x10 <sup>6</sup> 1.5 3 5
UL technical data	for three-phase motor	120V 240V 480V	cycles HP HP HP	5x10 <sup>6</sup> 1.5 3 5
UL technical data	for three-phase motor	120V 240V 480V 600V 120V	Cycles HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 5 0.75
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V	Cycles HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V	Cycles HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 5 0.75
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V	Cycles HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 5 0.75
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V 240V	Cycles HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V 240V	cycles HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25
UL technical data Motor power for direct	for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	Cycles HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1
UL technical data Motor power for direct	for three-phase motor	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP HP C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55
UL technical data Motor power for direct	for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40
UL technical data Motor power for direct	for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP HP C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55
UL technical data Motor power for direct	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect Frontal IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect Frontal IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect Frontal IP degree Terminals IP degree ETIM classification	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20 EC001029 -
UL technical data Motor power for direct Ambient conditions Temperature Resistance & Protect Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V min max	Cycles HP HP HP HP HP C °C °C	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20

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