

ENERGY AND AUTOMATION

Product designation			Rotary cam switches
Product type designation			GX16
General characteristics			
Switching diagram			84
N° of elements			3
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	17	000
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/C3A	kV	6
Conventional free air thermal current Ith		K V	0
Conventional nee all thermal current fur	IEC/EN	Α	16
	UL/CSA	A	12
Rated operational voltage	02/00/1	V	440
Maximum fuse size for short-circuit protection In (gG)		•	
(go)	10kA	Α	20
	25kA	Α	16
Rated short time current Icw			
	1s	Α	250
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	Α	3
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3.5
	380/440V	kW	4.5
0	500/690V	kW	5.5
Single-phase AC-3	440)/		0.55
	110V 220/230V	kW kW	0.55
			1.5
Throa phoop AC22A	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	330/0301		7.0
5g.o p.1.050 / 1020/ 1	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Rated operational current in DC			
DC21A			
	48V	Α	16
	60V	Α	16
	110V	Α	4
	220V	Α	0.5
	440V	Α	0.25
DC23A (poles in series)			



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		24V	Α	16 (1)
		48V	Α	16 (2)
		60V	Α	16 (3)
		110V	A	10 (3)
		220V	A	7 (4)
	DC13	220 V		7 (4)
	DC13	24V	Α	16
		48V	A	14
		60V	A	12
		110V	A	0.8
		220V	A	0.3
M. J. J. J. C.		440V	Α	0.15
Mechanical features				
Terminals screw				3M
Tightening torque for te	erminals max		Nm	0.5
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		7	
	Conductor size (IEO) Trickible dubic	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	1111111	2.0
	Conductor size (IEC) - Rigid Cable		2	0.5
		min	mm²	0.5
		1/1/2/	mm⁴	7) 6
		Max	mm²	2.5
Mechanical life		IVIAX	cycles	5x10 ⁶
UL technical data		IVIAX		
	on-line control	IVIAA		
UL technical data	on-line control for three-phase motor	IVIAA		
UL technical data		120V		
UL technical data			cycles	5x10 ⁶
UL technical data		120V	cycles	5x10 ⁶ 1.5 3
UL technical data		120V 240V 480V	Cycles HP HP HP	5x10 ⁶ 1.5 3 5
UL technical data	for three-phase motor	120V 240V	cycles HP	5x10 ⁶ 1.5 3
UL technical data		120V 240V 480V 600V	HP HP HP HP	5x10 ⁶ 1.5 3 5 5
UL technical data	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 ⁶ 1.5 3 5 0.75
UL technical data Motor power for direct-	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 ⁶ 1.5 3 5 5
UL technical data Motor power for direct-	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 ⁶ 1.5 3 5 0.75
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 ⁶ 1.5 3 5 0.75
UL technical data Motor power for direct-	for three-phase motor	120V 240V 480V 600V 120V 240V	HP HP HP HP HP	5x10 ⁶ 1.5 3 5 0.75 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	HP HP HP HP	5x10 ⁶ 1.5 3 5 5 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	HP HP HP HP HP	5x10 ⁶ 1.5 3 5 0.75 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C	5x10 ⁶ 1.5 3 5 5 0.75 1
UL technical data Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55
UL technical data Motor power for direct- Ambient conditions Temperature	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C	5x10 ⁶ 1.5 3 5 5 0.75 1
UL technical data Motor power for direct- Ambient conditions Temperature Resistance & Protection	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protection Frontal IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protections Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protection Frontal IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protections Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protections Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	120V 240V 480V 600V 120V 240V	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20
Ambient conditions Temperature Resistance & Protections 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	HP HP HP HP HP C°C°C	5x10 ⁶ 1.5 3 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20 EC001029 -