

ENERGY AND AUTOMATION

Product designation			Rotary cam switches	
Product type designation General characteristics				GX16
Switching diagram				71
Contact characteristics				
Rated insulation voltag	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar	nd voltage Uimp		kV	6
Conventional free air th	nermal current Ith			
		IEC/EN	Α	16
		UL/CSA	Α	12
Rated operational voltage			V	440
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	20
		25kA	Α	16
Rated short time curre	nt lcw			
		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 pow	er 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
	0	500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.75
		220/230V	kW	1.8
		380/440V	kW	3
Rated operational curre				
	DC21A			4.0
		48V	A	16
		60V	A	16
		110V	A	4
		220V	A	0.5
	DOOM (calcal and a	440V	Α	0.25
	DC23A (poles in series)	0.07	Λ	40 (4)
		24V	Α	16 (1)



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		48V	Α	16 (2)
		60V	Α	16 (3)
		110V	Α	10 (3)
		220V	Α	7 (4)
	DC13	2201	- / (, (1)
	5613	24V	Α	16
		48V	A	14
		60V		
			A	12
		110V	A	0.8
		220V	Α	0.3
		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			
	TONDIC GUDIC	min	AWG	20
		Max	AWG	14
	Conductor size (IEC) Flexible coble	IVICIA	700	
	Conductor size (IEC) - Flexible cable		2	0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
			-	
UL technical data			·	
UL technical data Motor power for direct-	on-line control			
	on-line control for three-phase motor	120V		1.5
		120V 240V	HP	1.5 3
		240V	HP HP	3
		240V 480V	HP HP HP	3 5
	for three-phase motor	240V	HP HP	3
		240V 480V 600V	HP HP HP HP	3 5 5
	for three-phase motor	240V 480V 600V	HP HP HP HP	3 5 5 0.75
Motor power for direct-	for three-phase motor	240V 480V 600V	HP HP HP HP	3 5 5
Motor power for direct-	for three-phase motor	240V 480V 600V	HP HP HP HP	3 5 5 0.75
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP HP	3 5 5 0.75
Motor power for direct-	for three-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V	HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor Operating temperature	240V 480V 600V 120V 240V	HP HP HP HP HP	3 5 5 0.75 1
Motor power for direct-	for three-phase motor for single-phase motor Operating temperature Storage temperature	240V 480V 600V 120V 240V min max	HP HP HP HP HP	3 5 5 0.75 1 -25 +55
Ambient conditions Temperature Resistance & Protection	for three-phase motor for single-phase motor Operating temperature Storage temperature	240V 480V 600V 120V 240V min max	HP HP HP HP HP	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	240V 480V 600V 120V 240V min max	HP HP HP HP HP	3 5 5 5 0.75 1 -25 +55 -40 +70
Ambient conditions Temperature Resistance & Protection Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	240V 480V 600V 120V 240V min max	HP HP HP HP HP	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	240V 480V 600V 120V 240V min max	HP HP HP HP HP	3 5 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20
Ambient conditions Temperature Resistance & Protection Frontal IP degree Terminals IP degree ETIM classification	for three-phase motor for single-phase motor Operating temperature Storage temperature	240V 480V 600V 120V 240V min max	HP HP HP HP HP	3 5 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20 EC001029 -
Ambient conditions Temperature Resistance & Protection Frontal IP degree Terminals IP degree	for three-phase motor for single-phase motor Operating temperature Storage temperature	240V 480V 600V 120V 240V min max	HP HP HP HP HP	3 5 5 5 0.75 1 -25 +55 -40 +70 IP65 IP20