

ENERGY AND AUTOMATION

Product designation				Rotary cam
Product type designation	on			switches GX16
General characteristics				GX10
Switching diagram				88
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
D ( 1) 1 20 (	1 6 18	UL/CSA	V	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith			kV	6
Conventional free air th	iermai current ith	IEC/EN	۸	16
		UL/CSA	A A	12
Rated operational volta	ane	OLIOOA	V	440
Maximum fuse size for short-circuit protection In (gG)			•	110
		10kA	Α	20
		25kA	Α	16
Rated short time currer	nt Icw			
		1s	Α	250
Operational current le	IEC/EN			
	AC1/AC21A			
	·		Α	16
	AC15	440)/		4.0
		110V	A	10
		220/230V 380/400V	A A	8 4
		660/690V	A	3
Rated operational pow	er in AC	33373337		
,	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 380/440V	kW kW	1.5 2.2
	Three-phase AC23A	300/440 V	KVV	2.2
	Tilloo pilaso AOZOA	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 curre				
	DC21A	48V	٨	16
		48 V 60 V	A A	16 16
		110V	A	4
		220V	A	0.5
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	16 (1)



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		48V	Α	16 (2)
		60V	Α	16 (3)
		110V	Α	10 (3)
		220V	A	7 (4)
	DC13	220 V		1 ( <del>1</del> )
	DC13	24V	۸	16
			A	16
		48V	A	14
		60V	Α	12
		110V	Α	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				_
00.1.00.01.0.1.0	AWG - Rigid cable			
	AWO - Migid cable	min	AWG	20
		Max	AWG	14
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	` '	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	WICOX		
	Conductor Size (IEC) - Rigid cable	min	mm²	0 E
		min		0.5
		Max	mm²	2.5
NA L L PC .				
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
	on-line control			
UL technical data	on-line control for three-phase motor			
UL technical data		120V		
UL technical data		120V	cycles	5x10 <sup>6</sup>
UL technical data		120V 240V	cycles 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	cycles HP	5x10 <sup>6</sup> 1.5 3
UL technical data		120V 240V 480V 600V	HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5
UL technical data	for three-phase motor	120V 240V 480V 600V	HP HP HP HP	5x10 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 <sup>6</sup> 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 120V 240V	HP HP HP HP	5x10 <sup>6</sup> 1.5 3 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	5x10 <sup>6</sup> 1.5 3 5 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	5x10 <sup>6</sup> 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 min max	HP HP HP HP HP	5x10 <sup>6</sup> 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	5x10 <sup>6</sup> 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 min max	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1  -25 +55  -40 +70
Ambient conditions Temperature  Resistance & Protections Frontal IP degree	for three-phase motor  for single-phase motor  Operating temperature  Storage temperature	120V 240V 480V 600V 120V 240V min max	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 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	120V 240V 480V 600V 120V 240V min max	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1  -25 +55  -40 +70
Ambient conditions Temperature  Resistance & Protections Frontal IP degree	for three-phase motor  for single-phase motor  Operating temperature  Storage temperature	120V 240V 480V 600V 120V 240V min max	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1  -25 +55  -40 +70  IP65 IP20
Ambient conditions Temperature  Resistance & Protection 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	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 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	120V 240V 480V 600V 120V 240V min max	HP HP HP HP HP	5x10 <sup>6</sup> 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 min max	HP HP HP HP HP	5x10 <sup>6</sup> 1.5 3 5 5 0.75 1  -25 +55  -40 +70  IP65 IP20  EC001029 -