

ENERGY AND AUTOMATION

GX1669U Electric ROTARY CAM SWITCH GX SERIES, CHANGEOVER SWITCH WITHOUT 0, 4 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Draduct designation			Rotary cam
Product designation			switches
Product type designation General characteristics			GX16
Switching diagram			69 - Changeover switch without 0 4 poles
N° of elements			4
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui		. <i>,</i>	
	IEC/EN UL/CSA	V	690
Potod impulse withotopd voltage Llimp	UL/CSA	V kV	600 6
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		ĸv	υ
	IEC/EN	А	16
	UL/CSA	A	12
Rated operational voltage	01/00/	V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	16
	15kA	А	16
	25kA	А	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	А	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			o -
	220/230V	kW	3.5
	380/440V	kW kW	4.5
Single-phase AC-3	500/690V	ĸvv	5.5
Single-phase AC-S	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
Pated operational current in DC			

# Rated operational current in DC

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	D0044			
	DC21A		_	
		48V	А	16
		60V	А	16
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			0.20
	DOZSA (poles in selies)	24V	۸	16 (1)
			A	16 (1)
		48V	A	16 (2)
		60V	А	16 (3)
		110V	А	10 (3)
		220V	А	7 (4)
	DC13			
		24V	А	16
		48V	A	14
		40V 60V	A	10
		110V	A	1
		220V	А	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				3M
Tightening torque for t	terminale max		Nm	0.5
			INIII	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
		IVIAX	AWG	12
	Conductor size (IEC) - Flexible cable	_	_	
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1X10 <sup>6</sup>
UL technical data			Cycles	
	t on line control			
Motor power for direct				
	for three-phase motor			
	for thee-phase motor	120V	HP	1.5
	for three-phase motor	120V 240V	HP HP	1.5 3
	for three-phase motor			3
		240V 480V	HP HP	3 5
		240V	HP	3
	for single-phase motor	240V 480V 600V	HP HP HP	3 5 5
		240V 480V 600V 120V	HP HP HP	3 5 5 0.75
		240V 480V 600V	HP HP HP	3 5 5
Ambient conditions		240V 480V 600V 120V	HP HP HP	3 5 5 0.75
Ambient conditions Temperature		240V 480V 600V 120V	HP HP HP	3 5 5 0.75
	for single-phase motor	240V 480V 600V 120V	HP HP HP	3 5 5 0.75
		240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
	for single-phase motor	240V 480V 600V 120V 240V min	HP HP HP HP	3 5 5 0.75 1 -25
	for single-phase motor Operating temperature	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
	for single-phase motor	240V 480V 600V 120V 240V min	HP HP HP HP	3 5 5 0.75 1 -25

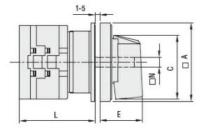
GX1669U

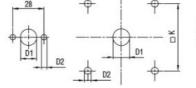
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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#### °C +70 max Resistance & Protection Frontal IP degree IP65 Terminals IP degree IP20 Dimensions

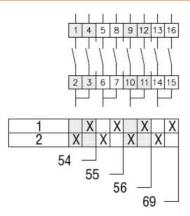




Drillings for 4 screws fixing (4V version).

Series	Dimensions						L Number of elements												
Series	□A	С	ØD1	ØD2	E	□K	۵N	1	2	3	4	5	6	7	8	9	10	11	12
GX16	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX20	48	39.5	12	5	26.5	36	6	43	51.5	60	68.5	77	85.5	94	102.5	111	119.5	128	136.5
GX32	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183
GX40	65	53	14	5	34.5	48	7	51	63	75	85	99	111	123	135	147	159	171	183

#### Wiring diagrams



#### Certifications and compliance

## Compliance

	CSA C22.2 n° 14
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-3
	IEC/EN/BS 60947-5-1
	IEC/EN/BS 61058-1
	UL60947-4-1
Certificates	
	cULus
	EAC
ETIM classification	

### **ETIM 8.0**

EC001105 - Offload switch