

# ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation				Rotary cam switches
Product type designation	1			GX16
General characteristics				
Switching diagram				13 - Dahlander motor control switch 1-0-2
N° of elements				4
Mounting form				U - Front mounting with black handle
Contact characteristics				
Rated insulation voltage	Ui			
J		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstand	voltage Uimp		kV	6
Conventional free air the	rmal current Ith			
		IEC/EN	Α	16
		UL/CSA	Α	12
Rated operational voltag	e		V	440
Rated operational impuls			kV	4
	hort-circuit protection In (gG)			
	(9 c)	10kA	Α	16
		15kA	A	16
		25kA	Α	16
Rated short time current	low	2010 (	- , ,	10
rated short time current	TOW	1s	kA	250
Conductivity				10/5 mA/V
Operational current le IE	C/EN			10/0 11// 0
•	AC1/AC21A			
•	AO 1/AO2 1A		Α	16
-	AC15			10
•	A013	110V	Α	10
		220/230V	A	8
		380/400V	A	4
		660/690V	A	1.5
Rated operational power	in AC	000/090 V		1.5
· · · · · · · · · · · · · · · · · · ·	Three-phase AC-3			
	Tillee-bliase VO-3	220/230V	kW	3.5
		380/440V	kW	3.5 4.5
		500/440V 500/690V	kW	5.5
-	Single-phase AC-3	300/090 V	IX V V	J.J
,	onigie-priase AU-3	110V	kW	0.55
		220/230V	kW	1.5
		380/440V	kW	2.2
=	Throo-phase AC22A	30U/44UV	r v v	۷.۷
	Three-phase AC23A	220/2201/	1,111	2.7
		220/230V	kW	3.7
		380/440V	kW	6.5 7.5
-	Cingle whose ACCCA	500/690V	kW	7.5
,	Single-phase AC23A	44014	1 107	0.75
		110V	kW	0.75
		220/230V	kW	1.8
Detection of the	11: DO	380/440V	kW	3
Rated operational curren	IT IN DC			



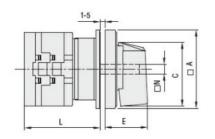
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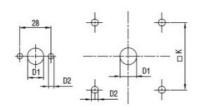
	DO044			
	DC21A	40)/	^	4.0
		48V	A	16
		60V	A	16
		110V 220V	A	4
		220V 440V	A A	0.6 0.25
	DC23A (poles in series)	440 V		0.23
	DOZOA (poles ili selles)	24V	Α	16 (1)
		48V	A	16 (1)
		60V	A	16 (3)
		110V	A	10 (3)
		220V	Α	7 (4)
	DC13			. ( ' /
		24V	Α	16
		48V	Α	14
		60V	Α	10
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				3M
Tightening torque for te	rminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			-
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
	,	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	· , 3	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	1X10 <sup>6</sup>
UL technical data				
Motor power for direct-	on-line control			
·	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	5
		600V	HP	5
	for single-phase motor			
	for single-phase motor	120V	HP	0.75
	for single-phase motor			0.75 1
Ambient conditions	for single-phase motor	120V	HP	
Ambient conditions Temperature	for single-phase motor	120V	HP	
	for single-phase motor  Operating temperature	120V	HP	
		120V	HP HP	
		120V 240V	HP HP	1
		120V 240V	HP HP °C °C	-25
	Operating temperature	120V 240V	HP HP	-25

**ENERGY AND AUTOMATION** 

## ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

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

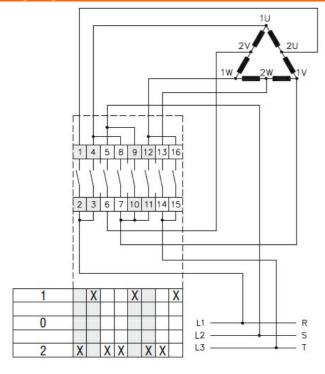




Drillings for 4 screws fixing (4V version).

Series	Dimensions						L Number of elements												
	□A	C	ØD1	ØD2	Е	□K	□N	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





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ETIM classification

ETIM 8.0 EC001105 - Off-load switch