

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

Product type designation	Product designation				Rotary cam
Switching diagram   13 - Dahlander motor control switch 1-0-2     N° of elements   4     Mounting form   0 - Rear mounting with black handle black	_				
Nithing diagram   Nithing di					GAIO
N° of elements         4           Mounting form         O - Rear mounting with black handle           Contact characteristics         IEC/EN         V 690           Rated insulation voltage Uimp         kV 6         600           Rated impulse withstand voltage Uimp         kV 6         6           Conventional free air thermal current Ith         IEC/EN UI/CSA A 16         A 16           UL/CSA A 12         A 12         440           Rated operational voltage         kV 4         4           Maximum fuse size for short-circuit protection In (gG)         10kA A 16         16           15kA A 16         A 16         15kA A 16           25kA A 16         A 16         25kA A 16           Rated short time current low         1s A 250           Conductivity         1s A 250           Conductivity         A 16           AC1/AC21A         A 16           AC1/EAC21A         A 16           AC1/EAC21A         A 16           AC1/EAC21A         A 8           AC20/230V A 8         8           380/440V kW 4.5         500/690W kW 5.5           Single-phase AC-3         220/230V kW 1.5           Three-phase AC23A         220/230V kW 3.7         380/440V kW 2.2					motor control
Mounting form   Mounting with black handle   Mounting with black handle   Mounting with black handle   Mounting with stand voltage Uin   Mounting with stand voltage Uinp   Mounting With stand voltage   Mounting With stand	N° of elements				
Rated insulation voltage Uimp	Mounting form			mounting with	
Rated impulse withstand voltage Uimp	Contact characteristics	<b>:</b>			
Rated impulse withstand voltage Uimp	Rated insulation voltag	e Ui			
Rated impulse withstand voltage Uimp			IEC/EN	V	690
Conventional free air thermal current lith			UL/CSA	V	600
Rated operational voltage   V   440	Rated impulse withstar	nd voltage Uimp		kV	6
Rated operational voltage   V	Conventional free air th	nermal current Ith			
Rated operational voltage			IEC/EN	Α	16
Rated operational impulse voltage			UL/CSA		12
Maximum fuse size for short-circuit protection In (gG)	Rated operational volta	age		V	440
10kA	Rated operational imp	ulse voltage		kV	4
Title   Titl	Maximum fuse size for	short-circuit protection In (gG)			
Rated short time current Icw			10kA	Α	16
Rated short time current lcw			15kA	Α	16
Three-phase AC-3   Three-phase AC-3   Three-phase AC23A   Three-phase AC23A   Three-phase AC23A   Tillov kw 0.75   Single-phase AC23A   Tillov k			25kA	Α	16
Conductivity	Rated short time curre	nt Icw			
A			1s	Α	
AC1/AC21A  AC15  AC15  110V A 10 220/230V A 8 380/440V A 4 660/690V A 1.5  Rated operational power 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 2.2  Three-phase AC23A  220/230V kW 3.7 380/440V kW 5.5  Single-phase AC23A  110V kW 0.75 220/230V 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	Conductivity				10/5 mA/V
A 16  AC15  110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5  Rated operational power 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 2.2  Three-phase AC23A  110V kW 0.55 500/690V kW 5.5  Single-phase AC23A  110V kW 0.75 500/690V kW 7.5  Single-phase AC23A	Operational current le	IEC/EN			
AC15  110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5  Rated operational power 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 2.2  Three-phase AC23A  220/230V kW 3.7 380/440V kW 6.5 500/690V kW 7.5  Single-phase AC23A		AC1/AC21A			
110V				Α	16
Single-phase AC23A   220/230V		AC15			
Rated operational power in AC   Three-phase AC-3					
Rated operational power in AC					
Rated operational power 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 6.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8					
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 6.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8			660/690V	A	1.5
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 6.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8	Rated operational pow				
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 6.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8		Three-phase AC-3			
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       500/690V     kW     7.5       Single-phase AC23A       110V     kW     0.75       220/230V     kW     1.8					
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 6.5 500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8					
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		-	500/690V	kW	5.5
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		Single-phase AC-3			
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					
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					
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	2.2
380/440V kW 6.5 500/690V kW 7.5 Single-phase AC23A 110V kW 0.75 220/230V kW 1.8		i nree-phase AC23A	000/000/	1301	0.7
500/690V kW 7.5  Single-phase AC23A  110V kW 0.75 220/230V kW 1.8					
Single-phase AC23A  110V kW 0.75  220/230V kW 1.8					
110V kW 0.75 220/230V kW 1.8		0:11	500/690V	KVV	1.5
220/230V kW 1.8		Single-phase AC23A	44014	1301	0.75
380/440V KW 3					
			380/440V	KVV	3

**ENERGY AND AUTOMATION** 

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<b>-</b>				
Rated operational cu				
	DC21A	40)/		4.0
		48V	A	16
		60V	Α	16
		110V	Α	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)			
		24V	Α	16 (1)
		48V	Α	16 (2)
		60V	Α	16 (3)
		110V	Α	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				ЗМ
Tightening torque for	terminals max		Nm	0.5
Conductor size	- Commission of the Commission		. 1111	<u> </u>
Conductor SIZO	AWG - Rigid cable			
	AVVO Trigita cable	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	IVIAX	AWG	12
	AWG - Flexible cable		A1A/O	00
		min	AWG	20
		Max	AWG	12
	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	1X10 <sup>6</sup>
JL technical data				
Makan manusan fan allua	ct-on-line control			
viotor power for aire				
viotor power for dire	for three-phase motor			
viotor power for aire		120V	HP	1.5
Motor power for aire		240V	HP HP	1.5 3
viotor power for aire				
viotor power for aire		240V	HP	3
viotor power for aire		240V 480V	HP HP	3 5
viotor power for aire	for three-phase motor	240V 480V	HP HP	3 5
viotor power for aire	for three-phase motor	240V 480V 600V	HP HP HP	3 5 5 0.75
	for three-phase motor	240V 480V 600V	HP HP HP	3 5 5
Ambient conditions	for three-phase motor	240V 480V 600V	HP HP HP	3 5 5 0.75
Motor power for direct  Ambient conditions  Temperature	for three-phase motor  for single-phase motor	240V 480V 600V	HP HP HP	3 5 5 0.75
Ambient conditions	for three-phase motor	240V 480V 600V 120V 240V	HP HP HP HP	3 5 5 0.75 1
Ambient conditions	for three-phase motor  for single-phase motor	240V 480V 600V	HP HP HP	3 5 5 0.75



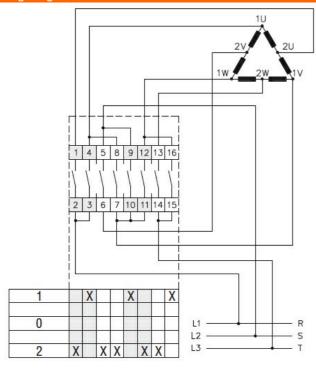
## ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 16A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

min	°C	-40
max	°C	+70

Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP20

### Dimensions

### 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

EC001029 -Selector switch, complete