

Rotary cam switch GX series, Dahlander motor control switch 1-0-2, 16A, for front mounting with black handle, front plate 48X48mm

			Rotary cam
Product designation			switches
Product type designation			GX16
General characteristics			10 Deklender
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			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		٨	16
	IEC/EN UL/CSA	A	16 12
Rated operational voltage	0L/C3A	A V	440
Rated operational impulse voltage		kV	440
Maximum fuse size for short-circuit protection In (gG)		ΚV	7
Waximam ruse size for short of our protection in (go)	10kA	А	16
	15kA	A	16
	25kA	A	16
Rated short time current Icw			
	1s	А	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC3	222/2221		25
	220/230V 380/440V	kW kW	3.5 4.5
	500/690V	kW	4.5 5.5
Single-phase AC3	300/090 v	K V V	5.5
	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

Rated operational current in DC

GX1613U

GX1613U

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	DC21A			
	DOZIA	48V	А	16
		40V 60V	A	16
		110V	A	4
		220V	A	4 0.6
		220V 440V		0.25
		440 V	A	0.25
	DC23A (poles in series)	24V	^	40 (4)
		24 V 48 V	A	16 (1) 16 (2)
			A	16 (2)
		60V	A	16 (3)
		110V	A	10 (3)
	DC13	220V	A	7 (4)
	DC13	2417	^	16
		24V	A	16
		48V	A	14
		60V	A	10
		110V	A	1
		220V	A	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				3M
Tightening torque for te	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		min Max	AWG AWG	20 12
	Conductor size (IEC) - Flexible cable			
	Conductor size (IEC) - Flexible cable			
	Conductor size (IEC) - Flexible cable	Max	AWG	12
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min	AWG	0.5
		Max min	AWG	0.5
		Max min Max	AWG mm² mm²	12 0.5 2.5
Mechanical life		Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5
Mechanical life UL technical data		Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5
	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm ² mm ² mm ²	12 0.5 2.5 0.5 2.5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	12 0.5 2.5 0.5 2.5 1X10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	12 0.5 2.5 0.5 2.5 1X10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V	AWG mm² mm² mm² cycles HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V 120V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V 120V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 480V 600V 120V	AWG mm² mm² cycles HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1 -25
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor Operating temperature	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor for single-phase motor	Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG mm² mm² cycles HP HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 ⁶ 1.5 3 5 5 0.75 1 -25

GX1613U

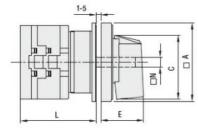
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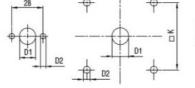
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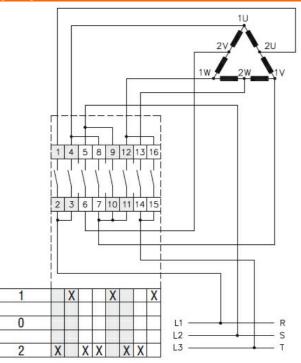




Drillings for 4 screws fixing (4V version).

Series			D	imensio	ns			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

Certificates

IF	EC/EN/BS 60947-1
	EC/EN/BS 60947-3
IE	EC/EN/BS 60947-5-1
IE	EC/EN/BS 61058-1
U	JL60947-4-1
cl	ULus
E	AC

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ETIM classification

ETIM 8.0

EC001105 - Offload switch