

ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

GX2013O48

Product designation			Rotary cam
-			switches GX20
Product type designation General characteristics			GX20
Switching diagram			13 - Dahlander motor control switch 1-0-2
N° of elements			4
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	20 15
Rated operational voltage		V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 20 20
Rated short time current Icw	1s	kA	250
Conductivity	13		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		A	20
AC15			
	110V 220/230V 380/400V	A A A	10 8 6
Rated operational power in AC	660/690V	A	1.5
Three-phase AC-3	220/230V	kW	3.7
	380/440V 500/690V	kW kW	5.5 5.5
Single-phase AC-3	110V	kW	0.75
	220/230V 380/440V	kW kW	1.8 3
Three-phase AC23A	220/230V	kW	4
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	110V 220/230V	kW kW	0.75 2.2

GX2013O48

GX2013O48



ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

		380/440V	kW	3.5
Rated operational cur				
	DC21A			
		48V	А	20
		60V	A	20
		110V	A	4
		220V	А	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	А	20 (1)
		48V	А	20 (2)
		60V	Α	20 (3)
		110V	А	10 (3)
		220V	Α	8 (4)
	DC13			
		24V	А	20
		48V	А	16
		60V	А	12
		110V	А	1
		220V	А	0.4
		440V	А	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	THOR	/	
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	Max	////0	12
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIDA	111111	2.0
	Conductor Size (ILO) - Migid Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIdX		2.5 1X10 ⁶
UL technical data			cycles	
Motor power for direc	t-on-line control			
motor power for direc				
	for three-phase motor	4001/	uп	1 5
		120V	HP	1.5
		240V	HP	3
		480V	HP	5
	Construction of the second second	600V	HP	5
	for single-phase motor			0.75
		120V	HP	0.75
		240V	HP	1.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

GX2013O48

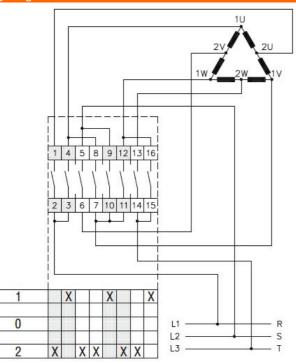
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



GX2013O48 ROTARY CAM SWITCH GX SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree			IP20
Dimensions			

Wiring diagrams



Certifications and compliance

Compliance

· · · P · · · · · · · · ·		
	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

GX2013O48