



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 48X48MM

Product designation			Rotary cam
-			switches
Product type designation			GX20
General characteristics			12 Dahlandar
Switching diagram			13 - Dahlander motor control switch 1-0-2
N° of elements			4
			U47 - Snap on
Mounting form			fron mounting with black handle
The straining term			for hole diam.
			22mm finxing
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	IEC/EN	Λ	20
	UL/CSA	A A	20 15
Rated operational voltage	UL/CSA		440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	
Maximum race dize for effort direct protection in (ge)	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15	440)/		4.0
	110V	A	10
	220/230V 380/400V	A A	8 6
	660/690V	A	1.5
Rated operational power in AC	000/000 V		1.0
Three-phase AC-3			
22	220/230V	kW	3.7
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.75
	220/230V	kW	1.8
TI 1 1000	380/440V	kW	3
Three-phase AC23A	000/0001	1-147	4
	220/230V	kW	4
	380/440V 500/690V	kW kW	7.5 7.5
Single-phase AC23A	300/6907	r.vv	1.0
Olligie-pilase AOZOA	110V	kW	0.75
	220/230V	kW	2.2
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		380/440V	kW	3.5
Rated operational curre	ent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	Α	20 (3)
		110V	Α	10 (3)
		220V	Α	8 (4)
	DC13			_
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.6
Mechanical features				
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
	ATTO Trigia dabio	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	Wich	70	<u>-</u>
	AVVO T TEXABLE CABLE	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVICA	7,1110	12
	Conductor Size (IEC) Trickible cable	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	2.0
	Conductor Size (ILO) - Itigia Cable	min	mm²	0.5
		Max	mm²	2.5
Mechanical life		IVIdX		1X10 <sup>6</sup>
UL technical data			cycles	IA IU
	on line control			
Motor power for direct-				
	for three-phase motor	40017	LID	4 E
		120V	HP	1.5
		240V	HP	3
		480V	HP	5
		600V	HP	5
	for single-phase motor			
		120V	HP	0.75
		240V	HP	1.5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55



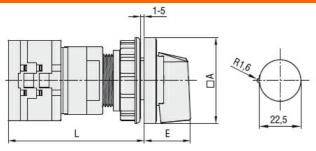


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Storage temperature		
mir	°C	-40
max	°C	+70

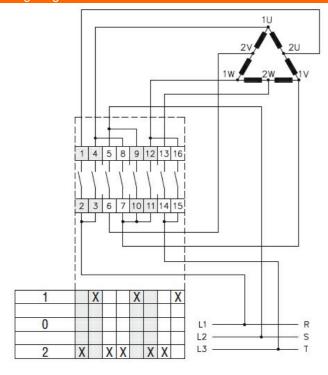
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP20

### **Dimensions**



Carios	Dimensions		L			
Series	□A	Е	1	2	3	8
GX16	48	26.5	64.9	73.4	81.9	124.4
GX20	48	26.5	64.9	73.4	81.9	124.4

# Wiring diagrams



# Certifications and compliance

# Compliance

CSA C22.2	n 14
IEC/EN/BS	60947-

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

UL60947-4-1

### Certificates



# GX2013U47

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cL	JL	us

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete