ROTARY CAM SWITCH GX SERIES, STAR-DELTA MOTOR STARTER SWITCH 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation	-n			Rotary cam switches GX20
Product type designation General characteristics				GA20
Switching diagram				12 - Star-delta motor starter switch
N° of elements				4
Mounting form				U47 - Snap on fron mounting with black handle for hole diam. 22mm finxing
Contact characteristics Rated insulation voltage				
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstan	• •		kV	6
Conventional free air th	ermal current Ith	IEC/EN UL/CSA	A A	20 15
Rated operational volta	ge		V	440
Rated operational impu			kV	4
	short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 20 20
Rated short time currer	nt Icw	4-	1- 4	050
Conductivity		1s	kA	250 10/5 mA/V
Operational current le l	EC/EN			10/5 111/4/ V
Operational current le l	AC1/AC21A		А	20
	AC15			
		110V 220/230V 380/400V	A A A	10 8 6
Rated operational power	or in AC	660/690V	Α	1.5
reated operational power	Three-phase AC-3	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
	There are a A COOA	380/440V	kW	3
	Three-phase AC23A	220/2201/	L/A/	4
		220/230V 380/440V	kW kW	4 7.5
		500/690V	kW	7.5
	Single-phase AC23A	. , , , , , , , ,	<u> </u>	
		110V 220/230V	kW kW	0.75 2.2

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Rated operational current in DC			380/440V	kW	3.5
ABV	Rated operational curr				
Body		DC21A			
1100				Α	20
				Α	20
DC23A (poles in series)			110V	Α	4
DC23A (poles in series)			220V	Α	0.6
24V			440V	Α	0.25
ABV   A   20 (2)		DC23A (poles in series)			
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Con			24V	Α	20 (1)
110V			48V	Α	20 (2)
DC13			60V	Α	20 (3)
DC13			110V	Α	10 (3)
Power dissipation			220V	Α	8 (4)
ABV		DC13			_
Conductor size (IEC) - Flexible cable   Max			24V	Α	20
110V			48V	Α	16
Power dissipation			60V	Α	12
Power dissipation   W   0.6   W   0.6			110V	Α	1
Power dissipation   W   0.6     Mechanical features   W   0.6     Mechanical features   W   0.8   Max   Ma			220V	Α	0.4
Machanical features			440V	Α	0.15
Machanical features	Power dissipation			W	0.6
Tightening torque for terminals max	-				
AWG - Rigid cable	Terminals screw				M3
AWG - Rigid cable	Tightening torque for to	erminals max		Nm	0.8
AWG - Rigid cable    min					
AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable		g.a cazie	min	AWG	20
AWG - Flexible cable    min   AWG   20   Max   AWG   12					
min Max AWG 20 Max AWG 12           Conductor size (IEC) - Flexible cable           min Max mm² 0.5 Max mm² 2.5           Conductor size (IEC) - Rigid cable         min mm² Max mm² 2.5           Mechanical life         cycles         1X10°           UL technical data         vcles         1X10°           UL technical data         120V HP 1.5         1.5           Motor power for direct-on-line control         120V HP 3         3         480V HP 5         600V HP 5           for single-phase motor         120V HP 5         5         600V HP 5         5           Ambient conditions           Temperature           Operating temperature         min °C -25         -25		AWG - Flexible cable			
Max   AWG   12		ATTO THOMBIC CODIC	min	AWG	20
Conductor size (IEC) - Flexible cable					
Max mm²   0.5   Max mm²   2.5		Conductor size (IEC) - Flexible cable	West	71110	
Max mm² 2.5		Contractor Cizo (120) Tronble cable	min	mm²	0.5
Conductor size (IEC) - Rigid cable					
Max         min mm² mm² mm² mm² 2.5         0.5 mm² 2.5           Mechanical life         cycles         1X106           UL technical data           Motor power for direct-on-line control           120V HP 1.5           240V HP 3         3           480V HP 5         5           600V HP 5         5           for single-phase motor         120V HP 0.75           120V HP 1.5         1.5           Ambient conditions         240V HP 1.5           Temperature           Operating temperature         min °C -25		Conductor size (IEC) - Rigid cable	West		
Mechanical life         cycles         1X10°           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         120V         HP         0.75           240V         HP         1.5   Ambient conditions  Temperature  Operating temperature  Operating temperature  min °C -25		Talled (120) Tigit dubic	min	mm²	0.5
Mechanical life         cycles         1X10 <sup>6</sup> UL technical data           Motor power for direct-on-line control           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					
Motor power for direct-on-line control	Mechanical life		IVIUA		
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         120V       HP       0.75         240V       HP       1.5    Ambient conditions Temperature Operating temperature         min       °C       -25				Cycles	17(10
for three-phase motor    120V		-on-line control		<del>_</del>	
120V	Motor power for difect				
240V		ioi alloo pilaoo motol	120\/	HP	1.5
480V   HP   5   600V   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					
120V HP 0.75 240V HP 1.5  Ambient conditions  Temperature  Operating temperature  min °C -25		for single-phase motor	0007	TH.	<u> </u>
Ambient conditions  Temperature  Operating temperature  min °C -25		ioi single-phase motor	1201/	ЦD	0.75
Ambient conditions  Temperature  Operating temperature  min °C -25					
Temperature  Operating temperature  min °C -25	Ambient conditions		Z4UV	ПР	1.0
Operating temperature min °C -25					
min °C -25	remperature	Operating temperature			
		Operating temperature	!	°C	25
max °C +55					
			max	U	<del>τυυ</del>

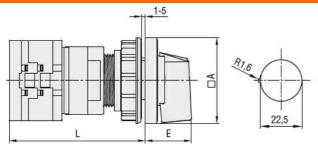
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Storage	temi	perature
Otorago	COLLIN	Joiataic

min	$^{\circ}C$	-40
max	°C	+70

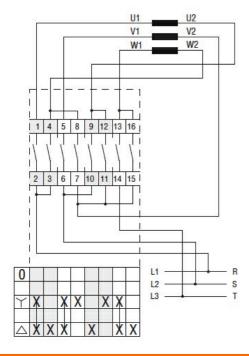
	 _	· · · •
Resistance & Protection		
Frontal IP degree		IP65
Terminals IP degree		IP20

#### **Dimensions**



Carios	Dimer	nsions	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 C	22.2	n°	14
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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



## GX2012U47

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EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete