

**ENERGY AND AUTOMATION** 

ROTARY CAM SWITCH GX SERIES, VOLTMETER SWITCH PHASE-NEUTRAL VOLTAGES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

Product designation Product type designation	on			Rotary cam switches GX20
General characteristics				
Switching diagram				68 - Voltmeter switch for phase- neutral voltages
N° of elements				2
Mounting form				O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstar			kV	6
Conventional free air th	ermal current Ith			
		IEC/EN	Α	20
		UL/CSA	Α	15
Rated operational volta			V	440
Rated operational impu	ılse voltage		kV	4
Maximum fuse size for	short-circuit protection In (gG)			
		10kA	Α	20
		15kA	Α	20
		25kA	A	20
Rated short time currer	nt Icw			
		1s	kA	250
Conductivity				10/5 mA/V
Operational current le				
	AC1/AC21A			
	1010		Α	20
	AC15	440		
		110V	Α	10
		220/230V	A	8
		380/400V	A	6
Data dan anational nave	an in AO	660/690V	A	1.5
Rated operational pow				
	Three-phase AC-3	220/2201	1.101	2.7
		220/230V 380/440V	kW kW	3.7 5.5
		500/690V	kW	5.5 5.5
	Single-phase AC-3	300/090V	K V V	J.J
	Onigie-priase AC-3	110V	kW	0.75
		220/230V	kW	1.8
		380/440V	kW	3
	Three-phase AC23A	JJU/440 V	17.4.4	
	THOO PHOSO NOZON	220/230V	kW	4
		380/440V	kW	7.5
		500/690V	kW	7.5 7.5
	Single-phase AC23A	000,000 V		
	gio prisso / 1020/1	110V	kW	0.75
		220/230V	kW	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           120V HP 1.5           240V HP 3         3           480V HP 5         5           600V HP 5         5           for single-phase motor         120V HP 0.75           240V HP 1.5         1.5           Ambient conditions           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         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>





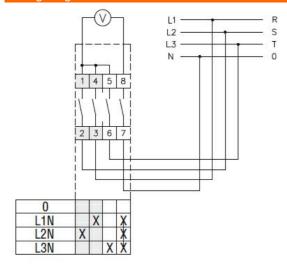
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Storage temperature			
	min	°C	-40
	max	°C	+70

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