**ENERGY AND AUTOMATION** 

# ENCLOSED ROTARY CAM SWITCH GX SERIES, MULTI-STEP 1-2-3, 1 POLE 20A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation  General characteristics			GX20
Switching diagram			82 - Multi-step 1- 2-3 1 pole
N° of elements			2
Mounting form			P - Plastic enclosure 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	150/5N		0.0
	IEC/EN	A	20
Dated enerational voltage	UL/CSA	A V	15 440
Rated operational voltage  Rated operational impulse voltage		kV	440
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum ruse size for short-circuit protection in (go)	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			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
Participant of the Architecture of the Archite	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	3.7
	380/440V	kW	5. <i>7</i> 5.5
	500/690V	kW	5.5
Single-phase AC-3	230,000 V		
29.0 F	110V	kW	0.75
	220/230V	kW	1.8
_	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	4
	380/440V	kW	7.5
·	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.75
	220/230V	kW	2.2
	380/440V	kW	3.5



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	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.0	
	DC23A (poles in series)	440 (		0.20	
	BOZON (poids in serios)	24V	Α	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (2)	
		110V	A	10 (3)	
		220V	A	8 (4)	
	DC13	220 V		0 (4)	
	DC13	24V	Α	20	
		48V	A	16	
		60V			
			A	12	
		110V	A	1	
		220V	A	0.4	
		440V	A	0.15	
Power dissipation			W	0.6	
Mechanical features				140	
Terminals screw				M3	
Tightening torque for te	erminals max		Nm	0.8	
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	0.5 2.5	
Mechanical life		Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5	
Mechanical life UL technical data		Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	MMG  mm² mm²  mm²  mm²  cycles	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup>	
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 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V	AWG  mm² mm²  mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	MMG  mm² mm² mm² cycles  HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 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 600V	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 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	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 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	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
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	AWG  mm² mm² mm² cycles  HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5	
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 mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 0.75 1.5	
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 mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1.5	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  con-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 mm² cycles  HP HP HP HP HP	12 0.5 2.5 0.5 2.5 1X10 <sup>6</sup> 1.5 3 5 5 0.75 1.5	

IP20

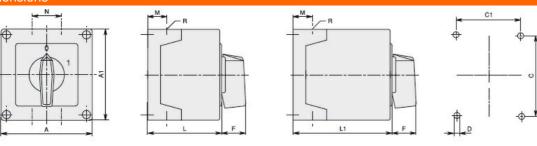
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Terminals IP degree

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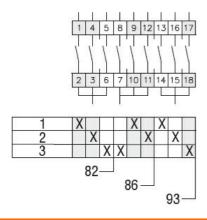


#### **Dimensions**



GX16	90x90	1 - 2	3-5	90	90	79	79	4.5	25	19	30	71.2	98.3	4xPG16	IP65
GX20		1 - 2	3-5	90	90	79	79	4.5	25	19	30	71.3	90.3	4XFG10	1100
GX16	110x110	1 - 3	4-7												
GX20		1-3	4-7	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
GX32		1 - 2	3 - 4	110	110	90.4	03	4.5	32	21	39.5	65.5	119.5	4XPGZ1	1100
GX40	1	1 - 2	3-4	1											

### Wiring diagrams



### Certifications and compliance

Compliance

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

IEC/EN/BS 61058-1

Certificates

EAC

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete