ENERGY AND AUTOMATION

ENCLOSED ROTARY CAM SWITCH GX SERIES, ON-OFF SWITCH 3 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			GX20
General characteristics			
Switching diagram			10 - ON/OFF switch 3 poles
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	IEC/EN	۸	20
	UL/CSA	A A	20 15
Rated operational voltage	OLICOA		440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			•
(3 c)	10kA	Α	20
	15kA	Α	20
	25kA	Α	20
Rated short time current Icw			
	1s	Α	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	20
AC15		A	20
AOIS	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3.7
	380/440V	kW	5.5
Cingle phase AC 2	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.75
	220/230V	kW	1.8
	380/440V	kW	3
Three-phase AC23A	230/1101		-
'	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
Rated operational current in DC	380/440V	kW	3.5



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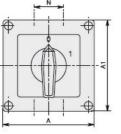
	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.0	
	DC23A (poles in series)	440 (0.20	
	BOZON (poids in serios)	24V	Α	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (2)	
		110V	A	10 (3)	
		220V	A	8 (4)	
	DC13	220 V		0 (4)	
	DC13	24V	Α	20	
		48V	A	16	
		60V			
			A	12	
		110V	A	1	
		220V	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 ⁶	
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 ⁶	
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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 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 ⁶ 1.5 3 5 5 0.75 1.5	

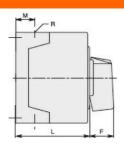
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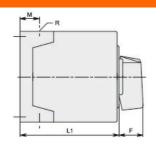
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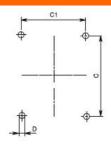


Dimensions



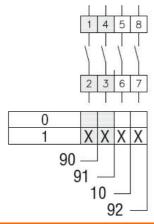






GX16	90x90	1 - 2	3-5	00	00	70	70	4.5	OF.	10	20	71.0	00.2	4xPG16	IDCE
GX20		1 - 2	3-5	90	90	79	79	4.5	25	19	30	71.3	98.3	4XPG10	IP65
GX16	110x110	1 - 3	4-7												
GX20		1 - 3	4-7	110	110	00.4	83	4.5	32	21	20.5	0F F	119.5	4xPG21	IDGE
GX32		1 - 2	3-4	110	110	98.4	03	4.5	32	21	39.5	85.5	119.5	4XPGZ1	IP65
GX40		1 - 2	3-4												

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

EC001105 - Offload switch