

# **GX40120** ROTARY CAM SWITCH GX SERIES, STAR-DELTA MOTOR STARTER SWITCH 40A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam
-			switches
Product type designation General characteristics			GX40
Switching diagram			12 - Star-delta motor starter switch
N° of elements			4
Mounting form			O - Rear mounting 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	А	40
	UL/CSA	A	40
Rated operational voltage	00/007	 V	440
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	40
	15kA	А	35
	25kA	А	35
Rated short time current Icw			
	1s	kA	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	40
AC15		A	40
A013	110V	А	25
	220/230V	A	22
	380/400V	А	12
	660/690V	А	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	7.5
	380/440V	kW	15
Cincle phase AC 2	500/690V	kW	15
Single-phase AC-3	110V	kW	2.2
	220/230V	kW	4.4
	380/440V	kW	4.4 7
Three-phase AC23A	000,1101		
	220/230V	kW	9
	380/440V	kW	18.5
	500/690V	kW	15
Single-phase AC23A			
	110V	kW	3
	220/230V	kW	5.2
Rated operational current in DC	380/440V	kW	7.5

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ENERGY AND AUTOMATION

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	DC21A			
	DeztA	48V	А	40
		60V	A	40
		110V	A	6
		220V	А	0.8
		440V	А	0.25
	DC23A (poles in series)			
	N ,	24V	А	40 (1)
		48V	А	40 (1)
		60V	A	40 (3)
		110V	A	
				40 (3)
		220V	A	12 (4)
	DC13			
		24V	А	40
		48V	А	32
		60V	А	16
		110V	A	3
		220V	A	0.5
		440V	<u>A</u>	0.15
Power dissipation			W	1.6
Mechanical features				
Terminals screw				M4
Tightening torque for t	erminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
	AWO - Nigid Cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		min Max	AWG AWG	16 10
	Conductor size (IEC) - Flexible cable			
	Conductor size (IEC) - Flexible cable	Max	AWG	10
	Conductor size (IEC) - Flexible cable	Max min	AWG	10 1.5
		Max	AWG	10
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max	AWG mm² mm²	10 1.5 6
		Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5
		Max min Max	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5 10
Mechanical life		Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5
Mechanical life UL technical data		Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5 10
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5 10
	Conductor size (IEC) - Rigid cable	Max min Max min	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup>	10 1.5 6 1.5 10
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles	10 1.5 6 1.5 10 1X10⁵
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG mm² mm² mm² cycles	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V	AWG mm² mm² cycles HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15
UL technical data	Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max 120V 240V	AWG mm² mm² cycles HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max 120V 240V 480V	AWG mm <sup>2</sup> mm <sup>2</sup> mm <sup>2</sup> cycles HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15
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 cycles HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15
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 cycles HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2
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 cycles HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15
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 cycles HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2
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 cycles HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2
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           120V           240V           480V           600V	AWG mm² mm² cycles HP HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2 5 10
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 cycles HP HP HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2 5 -25
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           480V           600V	AWG mm² mm² cycles HP HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2 5 10
UL technical data Motor power for direct	Conductor size (IEC) - Rigid cable -on-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 cycles HP HP HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2 5 -25
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 cycles HP HP HP HP HP HP	10 1.5 6 1.5 10 1X10 <sup>6</sup> 5 10 15 15 2 5 -25

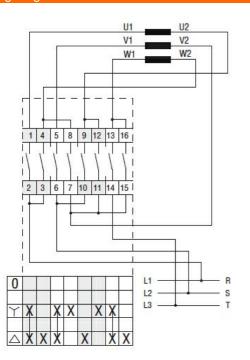
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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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	max °C +70
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP20
Dimensions	



#### 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		
		EC004020

## **ETIM 8.0**

EC001029 -Selector switch, complete

## Wiring diagrams