

## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Draduat decignation			Rotary cam
Product designation			switches
Product type designation  General characteristics			7GN40
			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
Mounting form			U - Front 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	IFO/FNI	Λ	40
	IEC/EN UL/CSA	A A	40 50
Rated operational voltage	UL/C3A	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		100	<u> </u>
maturian 1000 oizo foi oriott oirotti protostion in (go)	10kA	Α	40
	15kA	Α	40
	25kA	Α	40
	50kA	Α	40
	63kA	Α	40
Rated short time current lcw			
	1s	kA	1000
0 1 4 5	60s	Α	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	40
AC15			70
7.010	110V	Α	25
	220/230V	Α	22
	380/400V	Α	12
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
Single phase AC 2	500/690V	kW	15
Single-phase AC-3	110V	kW	3
	220/230V	kW	6.5





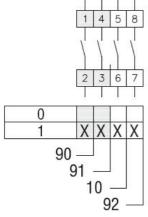
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				_
	=	380/440V	kW	8
	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational curr				
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			_
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Medianical realures				
Terminals screw				M4
Terminals screw	erminals max		Nm	M4 1.2
	erminals max		Nm	
Terminals screw Tightening torque for to			Nm	
Terminals screw Tightening torque for to	erminals max  AWG - Rigid cable	min		1.2
Terminals screw Tightening torque for to			AWG	1.2
Terminals screw Tightening torque for to	AWG - Rigid cable	min Max		1.2
Terminals screw Tightening torque for to		Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for to	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8
Terminals screw Tightening torque for to	AWG - Rigid cable  AWG - Flexible cable	Max	AWG AWG	1.2 16 8
Terminals screw Tightening torque for to	AWG - Rigid cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for to	AWG - Rigid cable  AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10 1.5
Terminals screw Tightening torque for to	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Terminals screw Tightening torque for to	AWG - Rigid cable  AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10 1.5 6
Terminals screw Tightening torque for to	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
Terminals screw Tightening torque for to Conductor size  Mechanical life	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 6 1.5
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10  5x10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10  5x10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10  5x10 <sup>6</sup>
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control	min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  AWG  mm² mm²  mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup> 5 10 20 20
Terminals screw Tightening torque for to Conductor size  Mechanical life UL technical data	AWG - Rigid cable  AWG - Flexible cable  Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  -on-line control for three-phase motor	min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2  16 8  16 10  1.5 6  1.5 10 5x10 <sup>6</sup>



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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protec	tion			
Frontal IP degree				IP40
Terminals IP degree				IP00
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

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0 EC001105 - Off-load switch