ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM



Product designation			Rotary cam
			switches
Product type designation			7GN40
General characteristics			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
			U - Front
Mounting form			mounting with
Overtical and the Market			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	0L/00/1	kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	40
	UL/CSA	Α	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	40
	15kA	A	40
	25kA 50kA	A	40
	63kA	A A	40 40
Rated short time current Icw	USKA		40
Trailed Short time Surrent lett	1s	Α	1000
	60s	Α	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			_
AC1/AC21A			
		A	40
AC15	4401	Λ	25
	110V 220/230V	A A	25 22
	380/400V	A	12
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3	4461	1387	0
	110V	kW	3
	220/230V	kW	6.5

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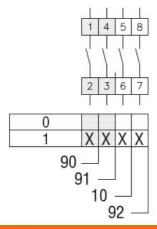
		380/440V	kW	8
	Three-phase AC23A			
	711100 phago 7102071	220/230V	kW	8
		380/440V		18.5
			kW	
		500/690V	kW	22
	Single-phase AC23A			
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rent in DC			
'	DC21A			
	50217	48V	Α	40
		60V		40
			A	
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	A	20 (3)
		220V	A	• •
	DO40	ZZUV	Α	12 (4)
	DC13		_	
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			147	0.0
r uwei uissibaliuii			VV	2.0
			W	2.0
Mechanical features			VV	
Mechanical features Terminals screw	terminale may			M4
Mechanical features Terminals screw Tightening torque for	terminals max		Nm	
Mechanical features Terminals screw				M4
Mechanical features Terminals screw Tightening torque for	terminals max AWG - Rigid cable		Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for		min		M4
Mechanical features Terminals screw Tightening torque for		min Max	Nm	M4 1.2
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable		Nm AWG	M4 1.2
Mechanical features Terminals screw Tightening torque for		Max	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M4 1.2 16 8
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG AWG	M4 1.2 16 8 16 10
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG AWG	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for the 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	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for the 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	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M4 1.2 16 8 16 10 1.5 6
Mechanical features Terminals screw Tightening torque for the 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	Nm AWG AWG AWG AWG mm² mm² cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x106
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x106
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles HP HP	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	min Max min Max min Max 120V 240V 480V 600V	Nm AWG AWG AWG AWG mm² mm² cycles HP HP HP HP	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
Mechanical features Terminals screw Tightening torque for the Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	min Max min Max min Max	Nm AWG AWG AWG AWG mm² mm² cycles HP HP	M4 1.2 16 8 16 10 1.5 6 1.5 10 5x106



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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
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 - Offload switch