ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITHOUT FRONT PLATE WITH KEY OPERATION FOR HOLE Ø22MM FIXING



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN12
			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
Mounting form			U12 - Front mounting without front plate with key operation for hole diam. 22mm fixing
Contact characteristics			
Rated insulation voltage Ui	150/51		000
	IEC/EN UL/CSA	V	690
Rated impulse withstand voltage Uimp	UL/CSA	V kV	600
Conventional free air thermal current Ith		K V	0
Conventional need all thornial earliers and	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	16
	15kA	A	10
Rated short time current Icw	25kA	A	10
Rated short time current icw	1s	kA	200
Conductivity	15	NA.	10/5 mA/V
Operational current le IEC/EN			10/3 111/-0 0
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
Detect or anational necessity AC	660/690V	Α	1.5
Rated operational power in AC Three-phase AC-3			
Tillee-phase AC-3	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5



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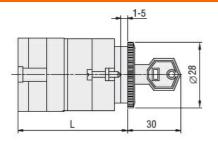
		380/440V	kW	2.2
	Three-phase AC23A			_
		220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
	Cirigio priado / (026/1	110V	kW	0.8
		220/230V	kW	1.7
	·	380/440V	kW	3
Rated operational curre				
	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)	1101	- , ,	0.20
	DOZOA (POIGS III SCIIGS)	24V	۸	10 (1)
			A	10 (1)
		48V	A	10 (2)
		60V	Α	10 (3)
		110V	Α	5 (3)
		220V	Α	5 (4)
	DC13			
		24V	Α	12
		48V	Α	10
		60V	A	8
		110V	A	1
		220V		
		2201/	Α	0.4
		440V	Α	0.15
Power dissipation				
Mechanical features			Α	0.15 0.8
			Α	0.15
Mechanical features	erminals max		Α	0.15 0.8
Mechanical features Terminals screw Tightening torque for te	erminals max		A W	0.15 0.8 M3
Mechanical features Terminals screw			A W	0.15 0.8 M3
Mechanical features Terminals screw Tightening torque for te	erminals max AWG - Rigid cable	440V	A W Nm	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te		440V min	A W Nm	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	440V	A W Nm	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te		Max	A W Nm AWG AWG	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	A W Nm AWG AWG	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max	A W Nm AWG AWG	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	A W Nm AWG AWG	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min	A W Nm AWG AWG	0.15 0.8 M3 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	min Max min Max	A W Nm AWG AWG AWG	0.15 0.8 M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max	A W Nm AWG AWG AWG	0.15 0.8 M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	min Max min Max min Max	A W Nm AWG AWG AWG mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	A W Nm AWG AWG AWG AWG mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for te Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	A W Nm AWG AWG AWG AWG mm² mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	min Max min Max min Max	A W Nm AWG AWG AWG AWG mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	min Max min Max min Max	A W Nm AWG AWG AWG AWG mm² mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life	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	A W Nm AWG AWG AWG AWG mm² mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	min Max min Max min Max	A W Nm AWG AWG AWG AWG mm² mm² cycles	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	A W Nm AWG AWG AWG AWG mm² mm² mm²	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for te 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	A W Nm AWG AWG AWG AWG mm² mm² cycles	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	A W Nm AWG AWG AWG AWG mm² mm² cycles	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw Tightening torque for te 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	A W Nm AWG AWG AWG AWG mm² mm² cycles	0.15 0.8 M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶



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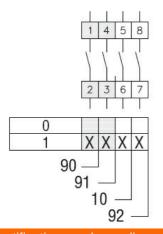
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protection	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				





Carias	L			
Series	1	2	3	8
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

Wiring diagrams



Certifications and compliance

Compliance

$CS\Delta$	C22 2	n°	14

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

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL





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ETIM classification

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ETIM 8.0

EC001029 -Selector switch, complete