ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
			switches
Product type designation General characteristics			7GN25
			90 - ON/OFF
Switching diagram			switch 1 pole
N° of elements			1
Mounting form			U - Front mounting with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
5	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional free air thermal current ith	IEC/EN	Α	25
	UL/CSA	A	30
Rated operational voltage	OLICOA		480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
1 (3 /	10kA	Α	25
	15kA	Α	25
	25kA	Α	25
Rated short time current Icw			
	1s	kA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	0.5
AC15		A	25
ACTS	110V	Α	16
	220/230V	A	12
	380/400V	Α	8
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3	4401	1.347	4.5
	110V	kW	1.5
	220/230V 380/440V	kW kW	3 5.5
Three-phase AC23A	300/4401	r V V	J.J
Tillee-pilase AOZOA	220/230V	kW	6.5



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		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A	000/0001	11.4.4	
	Single-phase A025A	110V	kW	1.5
		220/230V	kW	3.7
	50	380/440V	kW	5.5
Rated operational curr				
	DC21A			
		48V	Α	25
		60V	Α	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
	(, , , , , , , , , , , , , , , , , , ,	24V	Α	25 (1)
		48V	Α	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	B040	220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features			• • • • • • • • • • • • • • • • • • • •	1.1
Terminals screw				N40 5
				1//3 5
	rarminals may		Nm	M3.5
Tightening torque for t	terminals max		Nm	0.8
			Nm	
Tightening torque for t	terminals max AWG - Rigid cable			0.8
Tightening torque for t		min	AWG	20
Tightening torque for t	AWG - Rigid cable	min Max		0.8
Tightening torque for t			AWG	20
Tightening torque for t	AWG - Rigid cable		AWG	20
Tightening torque for t	AWG - Rigid cable	Max	AWG AWG	0.8 20 10
Tightening torque for t	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.8 20 10 20 12
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12 0.5 4
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4
Tightening torque for to Conductor size Mechanical life	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	0.8 20 10 20 12 0.5 4
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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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 AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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 AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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 t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶
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 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15
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 t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG Mm² mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15
Tightening torque for to Conductor size Mechanical life UL technical data Motor power for direct	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15
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 t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG Mm² mm² mm² cycles	0.8 20 10 20 12 0.5 4 0.5 4 5x10 ⁶ 3 5 10 15

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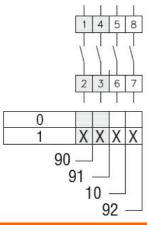
Operating	temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	
on				
			IP40	

Terminals IP degree Dimensions

Wiring diagrams

Resistance & Protectic Frontal IP degree



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