ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product type designation Rotary came witches switches Ceneral characteristics Switching diagram 03 - ON/OFF spring return switch 3 poles N° of elements 2 Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp IEC/EN V 690 Rated insulation voltage Uimp IEC/EN A 25 Conventional free air thermal current Ith IEC/EN A 25 Rated operational impulse voltage kV 4 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10KA A 25 Rated operational current Icw 1 KA 400 Conductivity AC 2 2 2 AC1/AC21A A 2 2 AC1/AC21A A 2 2 AC1/AC21A<				
Product type designation	Product designation			Rotary cam
Switching diagram Switching diagram Single-phase AC-3 U. Sins Average Single-phase AC-3 U. Sins Average Sins Single-phase AC-3 U. Sins Average Sins Sins Average Sins Sins Sins Sins Average Sins Sins Sins Sins Sins Sins Sins Sins	·			
Switching diagram Switching diagram N° of elements N° of elements with black handle N° of elements N° of				7GN25
Switching diagram spring return switch 3 poles N° of elements 2 Mounting form U - Front mounting with black handle Contact characteristics Rated insulation voltage Uin IEC/EN U/CSA V 690 0 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A SO	General characteristics			02 ON/OFF
Switch 3 poles Switch 3 poles N° of elements 2	Switching diagram			
N° of elements 2 Mounting form Contact characteristics Contact characteristics Rated insulation voltage Ui IEC/EN U/CSA V 600 600 Rated impulse withstand voltage Uimp kV 6 600 Conventional free air thermal current Ith IEC/EN A 25 UL/CSA A 30 25 UL/CSA A 30 Rated operational voltage kV 480 4 Rated operational impulse voltage kV 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 25 15kA A 25 25kA A 25 25kA A 25 Rated short time current lcw 1 s kA 400 400 Conductivity 1 loy MAV 400 Operational current le IEC/EN A 25 AC1/AC21A A 25 400 AC1/AC21A A 25 400 AC1/AC21A A 25 400 Rated operational power in AC 220/230V A 12 380/440V A 8 660/690V A 2 8 Rated operational power in AC 220/230V kW 7.5 5 380/440V kW 7.5 5 Single-phase AC-3 110V kW 1.5 1 220/230V kW 3 3 380/440V kW 7.5 5 Single-phase AC-3 220/230V kW 3 3 380/440V kW 7.5 5 <td>Omening diagram</td> <td></td> <td></td> <td></td>	Omening diagram			
Mounting form Mounting with bidack handle Mounting with stand voltage Uimp	N° of elements			•
Contact characteristics				
Contact Characteristics	Mounting form			
Rated insulation voltage Ui	Contact characteristics			black nandle
IEC/EN V 690				
Rated impulse withstand voltage Uimp	Nated Insulation voltage of	IEC/EN	V	690
Rated impulse withstand voltage Uimp				
Conventional free air thermal current lth	Rated impulse withstand voltage Uimp			
Rated operational voltage				
Rated operational voltage		IEC/EN	Α	25
Rated operational impulse voltage		UL/CSA	Α	30
Maximum fuse size for short-circuit protection In (gG) 10kA A 25 15kA A 25 15kA A 25 25kA A 25 Rated short time current Icw 1s kA 400 Conductivity Operational current Ie IEC/EN AC1/AC21A AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 2 Rated operational power in AC Three-phase AC-3 Rated operational power in AC Single-phase AC-3 Single-phase AC-3 110V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5			•	480
10kA A 25 15kA A 25 25kA A 25 Rated short time current lcw 1s kA 400 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A			kV	4
15kA A 25 25kA A 25 A	Maximum fuse size for short-circuit protection In (gG)			
Rated short time current Icw 1s				
Rated short time current lcw				
1s	Poted short time current law	ZOKA	A	25
Conductivity	Nated Short time current icw	1e	kΔ	400
Operational current le IEC/EN AC1/AC21A A 25 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 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 110V kW 1.5 220/230V kW 3 380/440V kW 3 380/440V kW 5.5	Conductivity	13	IV-1	
AC1/AC21A A 25 AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 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 110V kW 1.5 220/230V kW 3 380/440V kW 3 380/440V kW 5.5				10/011114
AC15 110V A 16 220/230V A 12 380/400V A 8 660/690V A 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 110V kW 1.5 220/230V kW 3 380/440V kW 3 380/440V kW 5.5	·			
110V			Α	25
220/230V	AC15			
380/400V A 8 660/690V A 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 110V kW 1.5 220/230V kW 3 380/440V kW 5.5				
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 110V kW 1.5 220/230V kW 3 380/440V kW 5.5				
Three-phase AC-3 220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5	Poted energianal newer in AC	660/690V	A	
220/230V kW 5.5 380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5	·			
380/440V kW 7.5 500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5	Tillee-pliase AO-3	220/230\/	kW	5.5
500/690V kW 7.5 Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5				
Single-phase AC-3 110V kW 1.5 220/230V kW 3 380/440V kW 5.5				
220/230V kW 3 	Single-phase AC-3			
380/440V kW 5.5				
Three-phase AC23A	T	380/440V	kW	5.5
	I hree-phase AC23A			



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		220/230V	kW	6.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
	omg.o phaco / to zo/.	110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational curr	ent in DC			
rated operational cur-	DC21A			
	50217.	48V	Α	25
		60V	A	25
		110V	A	4
		220V	A	0.7
	DC23A (poles in series)	220 V		0.1
	DOZSA (poles in series)	24V	Α	25 (1)
		48V	A	
				25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
	D040	220V	Α	10 (4)
	DC13			0.5
		24V	Α	25
		48V	Α	20
		60V	Α	16
		110V	Α	1.5
		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				
				MOE
Terminals screw				M3.5
Tightening torque for te	erminals max		Nm	0.8
			Nm	
Tightening torque for te	erminals max AWG - Rigid cable			0.8
Tightening torque for te		min	Nm AWG	
Tightening torque for te	AWG - Rigid cable	min Max		0.8
Tightening torque for te			AWG	20
Tightening torque for te	AWG - Rigid cable		AWG	20
Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.8 20 10
Tightening torque for te	AWG - Rigid cable	Max min	AWG AWG	0.8 20 10 20
Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min	AWG AWG	0.8 20 10 20
Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max	AWG AWG AWG AWG	0.8 20 10 20 12
Tightening torque for te	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 te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	0.8 20 10 20 12 0.5
Tightening torque for te	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 te	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 te Conductor size	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 te Conductor size	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	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 -on-line control	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 -on-line control	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 -on-line control	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 -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 -on-line control	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 -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 HP HP HP HP	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 -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



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Temperature

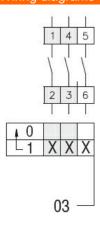
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

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

EC001029 -Selector switch, complete