ENERGY AND AUTOMATION

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation				Rotary cam
				switches
Product type designat				7GN12
General characteristic	S			00 01/055
Switching diagram				03 - ON/OFF spring return
Switching diagram				switch 3 poles
N° of elements				2
				U - Front
Mounting form				mounting with
				black handle
Contact characteristic	s			
Rated insulation voltage	ge Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta			kV	6
Conventional free air t	hermal current Ith			
		IEC/EN	Α	16
		UL/CSA	Α	15
Rated operational volt	=		V	480
Rated operational imp			kV	4
Maximum fuse size to	r short-circuit protection In (gG)	401.4		4.0
		10kA	A	16
		15kA 25kA	A	10
Rated short time curre	ant law	ZOKA	A	10
Rated Short time curre	ent icw	1s	kA	200
Conductivity		15	K/A	10/5 mA/V
Operational current le	IEC/EN			10/5 IIIA/ V
Operational current le	AC1/AC21A			
	NO I/NOZ IN		Α	16
	AC15		- ' '	
	7.6.10	110V	Α	10
		220/230V	Α	8
		380/400V	Α	4
		660/690V	Α	1.5
Rated operational pov	ver in AC			
	Three-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
	Three phase ACO2A	380/440V	kW	2.2
	Three-phase AC23A			



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Tightening torque for terminals max					
Single-phase AC23A Single-phase motor Single-			220/230V	kW	3
Single-phase AC23A			380/440V	kW	5.5
Single-phase AC23A				kW	
110V KW 0.8 220/2390 kW 3.7 380/440V kW 4.7 4.		Single-phase AC23A			
Rated operational current in DC DC21A		olligio pilase AOZSA	110\/	L ///	0.0
Rated operational current in DC DC21A					
Rated operational current in DC DC21A					
DC21A			380/440V	kVV	3
ABV	Rated operational c				
Both		DC21A			
110V			48V	Α	12
DC23A (poles in series)			60V	Α	12
DC23A (poles in series)			110V	Α	4
Marchanical features Marchanical features Marchanical features Marchanical features Marchanical features Marchanical file Conductor size (IEC) - Rigid cable Marchanical file Control for three-phase motor Marchanical file Consider phase motor Marchanical file Marchani					
DC23A (poles in series)					
AWG - Rigid cable		DC22A (polos in corios)	7701		0.20
A		DC23A (poles in series)	241/	۸	40 (4)
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					
DC13					
DC13					
DC13			110V	Α	5 (3)
DC13			220V	Α	5 (4)
A		DC13			
ABV			24V	Α	12
Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable Conduc					
110V					
Power dissipation					
Power dissipation					
Power dissipation					
Max			440V		
Terminals screw M3 Nm 0.5				W	0.8
Tightening torque for terminals max	Mechanical features	6			
AWG - Rigid cable	Terminals screw				M3
AWG - Rigid cable	Tightening torque for	or terminals max		Nm	0.5
AWG - Rigid cable min AWG 20 Max AWG 12 AWG - Flexible cable min AWG 20 Max AWG 14 Conductor size (IEC) - Flexible cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5 Mechanical life cycles 3x10° UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5					
Max AWG 20 Max AWG 12		AWG - Rigid cable			
Max AWG 12		Title Titigla Gabio	min	AWG	20
AWG - Flexible cable min					
Max AWG 14		ANA/O EL 111 11	IVIAX	AWG	12
Max AWG 14		AVVG - Flexible cable	_		
Conductor size (IEC) - Flexible cable					
min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 0.5 Max mm² 2.5 Mechanical life cycles 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5			Max	AWG	14
min mm² 0.5 Max mm² 2.5 Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 0.5 Max mm² 2.5 Mechanical life cycles 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5		Conductor size (IEC) - Flexible cable			
Max mm² 2.5			min	mm²	0.5
Conductor size (IEC) - Rigid cable min mm² 0.5 Max mm² 2.5					
min mm² 0.5 Max mm² 2.5 Mechanical life cycles 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5 120V		Conductor size (IEC) - Rigid cable			
Max mm² 2.5 Mechanical life cycles 3x106 UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5		Tanada die (120) Tagia dadio	min	mm²	0.5
Mechanical life cycles 3x10 ⁶ UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5					
UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5	Machaninaliti		IVIAX		
Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5				cycles	3XTU"
for three-phase motor 120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5					
120V HP 1.5 240V HP 3 for single-phase motor 120V HP 0.5	Motor power for dire				
for single-phase motor 120V HP 0.5		for three-phase motor			
for single-phase motor 120V HP 0.5			120V	HP	1.5
for single-phase motor 120V HP 0.5					
120V HP 0.5			240V	ПΡ	5
		for single-phase motor	240V	ПР	
0.40\/		for single-phase motor			
		for single-phase motor	120V	HP	0.5
Ambient conditions	And in the second second	for single-phase motor			



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Temperature

Operating temper	era	ture
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	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

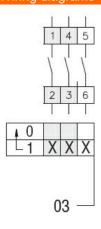
Resistance & Protection
Frontal IP degree

IP40 IP00

Dimensions

Wiring diagrams

Terminals 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

EC001029 -Selector switch, complete