**ENERGY AND AUTOMATION** 

## ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			05 - ON/OFF switch 1 pole
N° of elements			1
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Tatod modiation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	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	Α	10
	25kA	Α	10
Rated short time current lcw		_	
0 1 11 11	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		Α	16
AC15		A	10
ACTO	110V	Α	10
	220/230V	A	8
	380/400V	A	4
	660/690V	Α	1.5
Rated operational power 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
TI 1 0000	380/440V	kW	2.2
Three-phase AC23A	000/0001	1.147	2
	220/230V	kW	3
	380/440V	kW	5.5 7.5
Single-phase AC23A	500/690V	kW	7.5
Single-phase AC23A	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC	300/4401	17.6.4	

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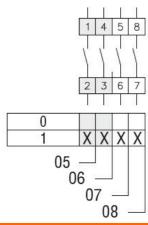
Machanical life		DC21A			
Bell		DOZIA	48\/	Δ	12
1100					
Part					
Mechanical life					
DC23A (poles in series)					
A		DC23A (poles in series)			
A		,	24V	Α	10 (1)
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Con			48V	Α	
DC13			60V	Α	
DC13			110V	Α	5 (3)
Part			220V	Α	5 (4)
ABV		DC13			
Conductor size (IEC) - Flexible cable   Max				Α	12
110V					
Power dissipation   W   0.8					
Mechanical features				Α	
Power dissipation   W   0.8   Mechanical features				Α	
Mechanical features			440V		
Terminals screw   M3   Tightening torque for terminals max   Nm   0.5				W	0.8
Tightening torque for terminals max					
AWG - Rigid cable					
AWG - Rigid cable		erminals max		Nm	0.5
AWG - Flexible cable	Conductor size				
AWG - Flexible cable		AWG - Rigid cable			
AWG - Flexible cable    min					
Max AWG 20   Max AWG 14   Max AWG 20   Max		ANNO EL TIL	Max	AWG	12
Max AWG 14   Conductor size (IEC) - Flexible cable   min mm² 0.5   Max mm² 2.5   Max m²		AWG - Flexible cable			
Conductor size (IEC) - Flexible cable					
Max   min   mm²   0.5   Max   mm²   2.5		0  (1	IVIax	AWG	14
Max mm² 2.5		Conductor size (IEC) - Flexible cable			0.5
Conductor size (IEC) - Rigid cable					
Mechanical life         mm² mm² dy dechanical life         0.5 mm² dy dechanical life           UL technical data           Motor power for direct-on-line control           120V HP 1.5           240V HP 3         3           for single-phase motor           120V HP 0.5           240V HP 1         1           Ambient conditions           Temperature           Operating temperature           min °C -25           max °C +55           Storage temperature           min °C -40		Conductor size (IEC) Digid coble	IVIAX	mm-	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           240V         HP         1           Ambient conditions           Temperature           Operating temperature         min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70		Conductor size (IEC) - Rigid Cable	min	mm²	0.5
Mechanical life         cycles         3x10 <sup>6</sup> 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           240V         HP         1           Ambient conditions           Temperature           operating temperature         min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70					
Motor power for direct-on-line control	Machanical life		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         240V       HP       1         Ambient conditions         Temperature         Operating temperature         min       °C       -25         max       °C       +55         Storage temperature         min       °C       -40         max       °C       +70				Cycles	3210
for three-phase motor    120V		on-line control			
120V					
240V   HP   3		The same production of	120V	HP	1.5
For single-phase motor					
120V		for single-phase motor			
Ambient conditions		3 1 3 3	120V	HP	0.5
Operating temperature					
Operating temperature    min	Ambient conditions				
min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70	Temperature				
Storage temperature  min °C -40 max °C +70		Operating temperature			
Storage temperature  min °C -40  max °C +70			min	°C	-25
min °C -40 max °C +70			max	°C	+55
max °C +70		Storage temperature			
			min		-40
Resistance & Protection			max	°C	+70
	Resistance & Protection	on			



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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