

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 32A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

				Dotory com
Product designation				Rotary cam switches
Product type designati	on			7GN32
General characteristics				
Switching diagram				05 - ON/OFF
				switch 1 pole
N° of elements				1
				U65 - Front mounting with
				red/yellow handle
Mounting form				padlockable in 0
				and protection
				covers
Contact characteristics				
Rated insulation voltag	le Ui	IEO/EN	\ /	000
		IEC/EN UL/CSA	V V	690 600
Rated impulse withstar	nd voltage Llimp	UL/CSA	kV	6
Conventional free air th			K V	0
Conventional fiet all ti	ionnai ourioni iul	IEC/EN	Α	32
		UL/CSA	A	40
Rated operational volta	age		V	480
Rated operational imp			kV	4
	short-circuit protection In (gG)			
		10kA	Α	32
		15kA	Α	32
		25kA	Α	32
		50kA	Α	32
Rated short time curre	nt Icw			
<u> </u>		1s	A	800
Conductivity	IEO/EN			10/5 mA/V
Operational current le				
	AC1/AC21A		۸	32
	AC15		Α	32
	AOIS	110V	Α	25
		220/230V	A	20
		380/400V	Α	10
		660/690V	Α	2
Rated operational pow	er in AC			
	Three-phase AC-3			
		220/230V	kW	7.5
		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC-3	44017	1.147	0.0
		110V	kW	2.2
		220/230V 380/440V	kW kW	4 6.5
	Three-phase AC23A	300/440 V	IN V V	0.0
	Throo phase Nozon	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A			_



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100					
Rated operational current in DC   DC21A			110V	kW	2.2
Rated operational current in DC   DC21A			220/230V	kW	4
DC21A			380/440V	kW	7.5
Mathematical life	Rated operational curre	ent in DC			
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable		DC21A			
110V			48V	Α	32
DC23A (poles in series)			60V	Α	32
DC23A (poles in series)			110V	Α	6
A			220V	Α	0.9
A		DC23A (poles in series)			
A		,	24V	Α	32 (1)
Conductor size (IEC) - Rigid cable   Conductor			48V	Α	
110V			60V		
DC13					
DC13					
Rechanical life		DC13			.= ( · /
ABV			24V	Α	32
Conductor size (IEC) - Flexible cable   Conductor size (IEC) - Rigid cable   Conduc					
110V					
Power dissipation   W   1.5					
Power dissipation   W   1.5					
Machanical features	Dawer dissination		22UV		
Terminals screw				VV	1.5
Tightening torque for terminals max					N44
AWG - Rigid cable	<del></del>	arminala may		Nim	
AWG - Rigid cable    min   Max   AWG   16     Max   AWG   8     AWG - Flexible cable   min   Max   AWG   16     Max   AWG   10     Conductor size (IEC) - Flexible cable   min   mm²   1.5     Max   mm²   4     Conductor size (IEC) - Rigid cable   min   mm²   1.5     Max   mm²   6     Mechanical life   cycles   5x10°     UL technical data   cycles   5x10°     UL technical data   cycles   cycles   cycles   cycles     Motor power for direct-on-line control   120V   HP   5     240V   HP   15     600V   HP   15     for single-phase motor   120V   HP   15     for single-phase motor   120V   HP   15     Ambient conditions   cycles   cycles		erminais max		INITI	1.2
AWG - Flexible cable	Conductor size	AMO BULL II			
Max AWG   Residuation   Residuation   AWG   Residuation   Residuation   AWG   Residuation   Residu		AWG - Rigid cable			
AWG - Flexible cable					
Max   AWG   16   Max   AWG   10			Max	AWG	8
Max   AWG   10		AWG - Flexible cable	_		
Conductor size (IEC) - Flexible cable					
Max   min   mm²   1.5   Max   mm²   4   Max   mm²   1.5   Max   mm²   6   Max   mm²   6   Max   mm²   6   Max   Max   mm²   6   Max   Max			Max	AWG	10
Max mm² 4   Conductor size (IEC) - Rigid cable   min mm² 1.5   Max mm² 6		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable			min	mm²	1.5
Mechanical life         min Max         mm² mm² mm²         1.5 mm²         6           UL technical data           Motor power for direct-on-line control           120V HP 5           240V HP 10         480V HP 15           600V HP 15         600V HP 15           for single-phase motor           Ambient conditions           Temperature           Operating temperature           min °C -25			Max	mm²	4
Mechanical life         cycles         5x10°           UL technical data           Motor power for direct-on-line control         120V         HP         5           120V         HP         10           480V         HP         15           600V         HP         15           for single-phase motor         120V         HP         2           240V         HP         5           Ambient conditions         120V         HP         5           Ambient conditions         Temperature		Conductor size (IEC) - Rigid cable			<del>_</del>
Mechanical life         cycles         5x10 <sup>6</sup> UL technical data           Motor power for direct-on-line control           120V HP 5           240V HP 10           480V HP 15           600V HP 15           for single-phase motor           120V HP 2           240V HP 5           Ambient conditions           Temperature           Operating temperature           min °C -25			min	mm²	1.5
UL technical data         Motor power for direct-on-line control       120V HP 5         for three-phase motor       240V HP 10         480V HP 15       600V HP 15         for single-phase motor       120V HP 2         240V HP 5       2         Ambient conditions       240V HP 5         Temperature         Operating temperature			Max	mm²	
Motor power for direct-on-line control       120V       HP       5         120V       HP       5       5         240V       HP       10       480V       HP       15         600V       HP       15       15       15       120V       HP       2       240V       HP       5       240V       HP       5       5       5       5       4       <	Mechanical life			cycles	5x10 <sup>6</sup>
for three-phase motor    120V	UL technical data				
for three-phase motor    120V	Motor power for direct-	on-line control			
120V					
240V		•	120V	HP	5
A80V					
600V   HP   15					
for single-phase motor  120V HP 2 240V HP 5  Ambient conditions  Temperature  Operating temperature  min °C -25					
120V HP 2 240V HP 5  Ambient conditions  Temperature  Operating temperature  min °C -25		for single-phase motor			· •
Ambient conditions Temperature Operating temperature min °C -25		io. onigio phago motor	120\/	HP	2
Ambient conditions Temperature  Operating temperature  min °C -25					
Temperature  Operating temperature  min °C -25	Ambient conditions		Z40 V	1 11	
Operating temperature min °C -25					
min °C -25	romporature	Operating temperature			
		Operating temperature	min	°C	-25
			IIIaX	U	<b>TJJ</b>



**ENERGY AND AUTOMATION** 

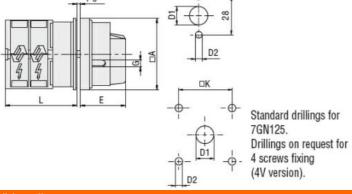
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Storage temperature			

min °C -40 max °C +70

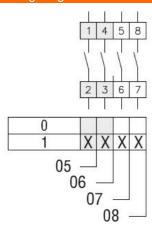
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

#### **Dimensions**



Series	Dimensions						L			
	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	394.9

## 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