

**ENERGY AND AUTOMATION** 

# ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 40A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product type designation	Product designation			Rotary cam
Switching diagram   Switching diagram   Switch 1 pole   Swit				switches
Switching diagram   Switch 1 pole   Switch 1 pole   N° of elements   1   U65 - Front mounting with red/yellow handle padiocable in 0 padioca				7GN40
N° of elements				90 - ON/OFF
Mounting form				switch 1 pole
Mounting form   Section   Section	N° of elements			
Rated insulation voltage Ui   A				mounting with red/yellow handle padlockable in 0 and protection
Rated impulse withstand voltage Uimp   V   690				
Rated impulse withstand voltage Uimp   Rated impulse withstand voltage Uimp   IEC/EN   A   40   UL/CSA   A   50   A   40   A	Nateu irisulation voitage of			
Conventional free air thermal current lith		UL/CSA		
IEC/EN			kV	6
Rated operational voltage   V	Conventional free air thermal current ith			
Rated operational impulse voltage   RV   4		UL/CSA		
Maximum fuse size for short-circuit protection In (gG)  10kA A 40 15kA A 40 25kA A 40 25kA A 40 50kA A 40 63kA A 40 63kA A 40  Rated short time current lcw  1s A 1000  Conductivity  Operational current le IEC/EN  AC1/AC21A  AC15  110V A 25 220/230V A 22 380/400V A 12 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 8 380/440V kW 15 500/690V kW 15	- · · · · · · · · · · · · · · · · · · ·		-	
10kA			KV	4
15kA	Maximum ruse size for short chedit protection in (90)	10kA	Α	40
S0kA   A   40   63kA   A   40   40   A   40				
Rated short time current lcw		25kA	Α	40
Rated short time current Icw  1s A 1000  Conductivity  Operational current le IEC/EN  AC1/AC21A  AC15  110V A 25  220/230V A 22  380/400V A 12  660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 8  380/440V kW 15  500/690V kW 15			Α	40
1s   A   1000		63kA	Α	40
Conductivity	Rated short time current lcw			4000
Operational current le IEC/EN  AC1/AC21A  AC15  110V A 25 220/230V A 22 380/400V A 12 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 8 380/440V kW 15 500/690V kW 15	Conductivity	1S	A	
AC1/AC21A  AC15  110V A 25 220/230V A 22 380/400V A 12 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 8 380/440V kW 15 500/690V kW 15				10/5 IIIA/ V
A 40  AC15  110V A 25 220/230V A 22 380/400V A 12 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 8 380/440V kW 15 500/690V kW 15	·			
AC15  110V A 25 220/230V A 22 380/400V A 12 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 8 380/440V kW 15 500/690V kW 15	7.0 17.10217.		Α	40
220/230V   A   22   380/400V   A   12   660/690V   A   2   2   2   2   2   2   2   2   2	AC15			
380/400V   A   12		110V	Α	25
Rated operational power in AC   Three-phase AC-3   220/230V   kW   8   380/440V   kW   15   500/690V   kW   15				
Rated operational power in AC  Three-phase AC-3  220/230V kW 8  380/440V kW 15  500/690V kW 15				
Three-phase AC-3  220/230V kW 8  380/440V kW 15  500/690V kW 15		660/690V	Α	
220/230V kW 8 380/440V kW 15 500/690V kW 15				
380/440V kW 15 500/690V kW 15	rniee-phase AC-3	220/2301/	k\//	8
500/690V kW 15				
	Single-phase AC-3			



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		110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A	000/1101		
	Tilled phase Nezon	220/230V	kW	8
		380/440V	kW	18.5
		500/440V	kW	22
	Single-phase AC23A	300/030 V	IXVV	22
	Origic priase A025A	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational c	urrent in DC	000/440 <b>V</b>	IX V	
rtated operational of	DC21A			
	DOZTA	48V	Α	40
		60V	A	40
		110V	A	6
	DCCCA (nales in series)	220V	A	0.9
	DC23A (poles in series)	0.417	٨	40 (1)
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	or terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable			
		min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
	. , -	min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ect-on-line control			
•	for three-phase motor			
	•	120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
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120V	HP	2	
240V	HP	5	

# Ambient conditions Temperature Operating temperature min max

Storage temperature  $\begin{array}{cccc} & & & \\ & & \text{min} & ^{\circ}\text{C} & -40 \\ & & \text{max} & ^{\circ}\text{C} & +70 \end{array}$ 

Resistance & Protection
Frontal IP degree

Terminals IP degree

IP40

°C

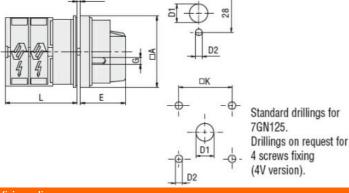
°C

-25

+55

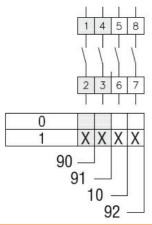
IP00

### 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





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ETIM 8.0

EC001029 -Selector switch, complete