



ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation switches Product type designation 7GN25 General characteristics	Draduct designation				Rotary cam	
Switching diagram   Switching diagram   Switch 4 poles	_				switches	
Switching diagram         08 - ON/OFF witch 4 poles and protection covers           N° of elements         U25 - Front wounting with redyellow handle padiockable in 0 and protection covers           Cornact characteristics         IEC/EN V 690 UL/CSA V 600           Rated insulation voltage Uimp         W 650 UL/CSA V 600           Rated impulse withstand voltage Uimp         W 650 UL/CSA A 30           Conventional free air thermal current Ith         IEC/EN A 25 UL/CSA A 30           Rated operational voltage         W 480           Rated operational impulse voltage         W 480           Rated operational impulse voltage         W 480           Rated short time current lcw         10KA A 25 Extended A 26 E					7GN25	
Switching diagram         switch 4 poles           N° of elements         2           Word elements         U25 - Front mounting with redlyellow handle padiockable in 0 and protection covers           Contact characteristics           Rated insulation voltage Ui           IEC/EN V 690           Rated impulse withstand voltage Uimp         kV 6           Conventional free air thermal current lth         IEC/EN A 25           Conventional free air thermal current lth         IEC/EN A 30           Rated operational uoltage         kV 4           Rated operational impulse voltage         kV 4           Maximum fuse size for short-circuit protection In (gG)         10kA A 25           15kA A 25         25kA A 25           Rated short time current lcw         1s A 400           Conductivity           Conductivity         1s A 400           Conductivity           AC15         110V A 16           220/230V A 12         380/400V A 2           380/400V A 2         2           Rated operational power in AC         220/230V KW 7.5           Three-phase AC-3         220/230V KW 7.5           Single-phase AC-3         110V KW 1.5           380/440V kW 7.5         5	General characterist	ICS			09 ON/OFF	
No of elements   2	Switching diagram					
Mounting form     Contact characteristics   Contact characteristics	N° of elements					
Mounting form						
Padlockable in 0 and protection covers   Padlockable in 0 and protection covers						
Part	Mounting form					
Contact characteristics   Rated insulation voltage Ui   IEC/EN   V 690   UL/CSA   V 600   UL/CSA   V 600   UL/CSA   V 600	· ·					
IEC/EN   V   690					•	
IEC/EN   V   690	Contact characteristi	CS			00.0.0	
IEC/EN   V   690						
Rated impulse withstand voltage Uimp			IEC/EN	V	690	
Conventional free air thermal current ith			UL/CSA	V	600	
IEC/EN	Rated impulse withst	and voltage Uimp		kV	6	
Rated operational voltage	Conventional free air	thermal current Ith				
Rated operational voltage   V   480						
Rated operational impulse voltage   kV 4			UL/CSA			
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  1s A 400  Conductivity  10/5 mA/V  Operational current le 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  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 3 380/440V kW 5.5  220/230V kW 3 380/440V kW 5.5  Three-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC-23A  220/230V kW 6.5 380/440V kW 5.5  Three-phase AC-23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11 500/690V kW 11						
10kA   A   25     15kA   A   25     25kA   A   25     3kA   400     400     500     500   500     600   600     600   600     700   700     700				kV	4	
T5kA	Maximum fuse size f	or short-circuit protection in (gG)	401.4	Δ.	0.5	
Rated short time current Icw						
Rated short time current lcw  Conductivity  Operational current le IEC/EN  AC1/AC21A  AC15  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  Single-phase AC-3  Three-phase AC-3  Three-phase AC-3  220/230V kW 5.5 380/440V kW 7.5 500/690V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC-3  220/230V kW 5.5  380/440V kW 5.5  Three-phase AC-3  220/230V kW 5.5  380/440V kW 5.5  Three-phase AC23A				_		
1s	Rated short time cur	rent Icw	ZJKA			
Conductivity	rated crieft time our	ion low	1s	Α	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 5.5  Three-phase AC23A  220/230V kW 5.5  380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 1.5 500/690V kW 11 500/690V kW 11	Conductivity					
AC1/AC21A  AC15  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 5.5  Three-phase AC23A  220/230V kW 5.5  220/230V kW 3 380/440V kW 5.5  Three-phase AC23A		e IEC/EN				
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   5.5     Three-phase AC23A     220/230V   kW   3     380/440V   kW   5.5     Three-phase AC23A     220/230V   kW   6.5     380/440V   kW   11     Single-phase AC23A	•					
110V				Α	25	
220/230V		AC15			_	
Single-phase AC23A   Sa0/400V   A   8						
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 AC23A  220/230V kW 5.5  Three-phase AC23A						
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 AC23A  220/230V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11						
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 AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A	Data Lancada a la		660/690V	Α	2	
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 AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A	kated operational po					
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 AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A		Tillee-pilase AC-3	220/2201/	۲۱۷۱	5.5	
500/690V   kW   7.5						
Single-phase AC-3  110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A						
110V kW 1.5 220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A		Single-phase AC-3	230,000			
220/230V kW 3 380/440V kW 5.5  Three-phase AC23A  220/230V kW 6.5 380/440V kW 11 500/690V kW 11  Single-phase AC23A		<b>U</b> 1	110V	kW	1.5	
Three-phase AC23A  220/230V kW 6.5  380/440V kW 11  500/690V kW 11  Single-phase AC23A						
220/230V kW 6.5 380/440V kW 11 500/690V kW 11 Single-phase AC23A			380/440V	kW	5.5	
380/440V kW 11 500/690V kW 11 Single-phase AC23A		Three-phase AC23A				
Single-phase AC23A 500/690V kW 11						
Single-phase AC23A						
· ·		0: 1 1 2001	500/690V	kW	11	
11UV KW 1.5		Single-phase AC23A	4401	1,147	4.5	
			1107	KVV	1.5	





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		000/000/	1347	0.7
		220/230V	kW	3.7
Rated operational c	urrent in DC	380/440V	kW	5.5
Nateu operational c	DC21A			
	DOZIA	48V	Α	25
		60V	A	25
		110V	Α	4
		220V	Α	0.7
	DC23A (poles in series)			
		24V	Α	25 (1)
		48V	Α	25 (2)
		60V	Α	25 (3)
		110V	Α	12 (3)
		220V	Α	10 (4)
	DC13			
		24V	Α	25
		48V	Α	20
		60V	A	16
		110V	A	1.5
<del></del>		220V	Α	0.4
Power dissipation			W	1.1
Mechanical features				MO F
Terminals screw	w to wain allow and		Nina	M3.5
Tightening torque for	or terminals max		Nm	0.8
Conductor size	AMC Digid apple			
	AWG - Rigid cable	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable	IVIAX	AVVG	10
	AVVG - I lexible cable	min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIAX	71110	12
	Conductor Size (IEC) Trickible cable	min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
	00.100010. 0.20 (120) 1 tigra 00010	min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for dire	ect-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		600V	HP	15
	for single-phase motor			
		120V	HP	1.5
		240V	HP	3
Ambient conditions				
Temperature	<b>-</b>			
	Operating temperature		2.2	0.5
		min	°C	-25
	Charge to the control of the control	max	°C	+55
	Storage temperature			





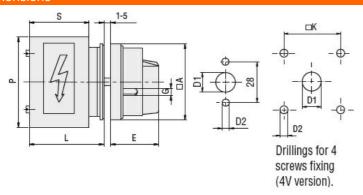
**ENERGY AND AUTOMATION** 

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min	°C	-40
max	°C	+70

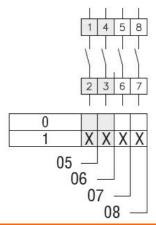
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

## Dimensions



Series	Dimensions								
	□A	D1	D2	E	G	□K	S	Р	L
7GN12	65	12	5	34.2	5	36	43	64	54.3
7GN20	65	12	5	34.2	5	36	43	64	54.3
7GN25	65	12	5	34.2	5	36	51	68	62.6
7GN32	65	14	5	38	6	48	55	77	71.7
7GN40	65	14	5	38	6	48	55	77	71.7

## 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