

7GN1291U25 ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A, FOR FRONT MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0 AND PROTECTION COVERS, FRONT PLATE 65X65MM



Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			91 - ON/OFF
N° of elements			switch 2 poles
			U25 - Front mounting with red/yellow handle
Mounting form			padlockable in 0 and protection covers
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			10
	IEC/EN UL/CSA	A A	16 15
Rated operational voltage	01/03A	 V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			•
(3-)	10kA	А	16
	15kA	А	10
	25kA	Α	10
Rated short time current Icw			
	1s	kA	200
			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	16
AC15			
	110V	А	10
	220/230V	А	8
	380/400V	Α	4
	660/690V	A	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	000,000		5.0
	110V	kW	0.8

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		380/440V	kW	2.2
	Three-phase AC23A			
	······································	220/230V	kW	3
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A	300/030 V	N V V	1.5
	Single-phase AC25A	110\/		0.0
		110V	kW	0.8
		220/230V	kW	1.7
	-	380/440V	kW	3
Rated operational cur				
	DC21A			
		48V	А	12
		60V	А	12
		110V	А	4
		220V	А	0.6
		440V	А	0.25
	DC23A (poles in series)			,
		24V	А	10 (1)
				. ,
		48V	A	10 (2)
		60V	A	10 (3)
		110V	А	5 (3)
		220V	А	5 (4)
	DC13			
		24V	А	12
		48V	А	10
		60V	А	8
		110V	A	1
		220V	A	0.4
		440V		0.15
Dewer dissinction		440 V	A W	
Power dissipation			VV	0.8
Mechanical features				Mo
Terminals screw				M3
Tightening torque for t	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	ινιάλ	ANG	17
	CONTRACTOR SIZE (IEC) - FIEXIDIE CADIE		2	0.5
		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 ⁶
UL technical data				
Motor power for direct	t-on-line control			
1.2.1.2.1.0.1.0.00	for three-phase motor			
		120V	HP	1.5
	Construction of the second second	240V	HP	3
	for single-phase motor			a -
		120V	HP	0.5

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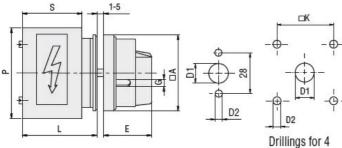
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		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protect	tion			
Frontal IP degree				IP40
Terminals IP degree				IP00

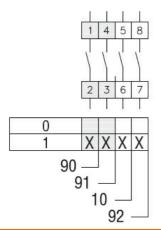
Dimensions



Drillings for 4 screws fixing (4V version).

Series	Dimensions								
Series	□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

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ENERGY AND AUTOMATION

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Certificates		
	cCSAus	
	EAC	
	UL	
ETIM classificat	ion	
ETIM 8.0		EC001029 - Selector switch.

Selector switch, complete

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