7GN1291P25

ENERGY AND AUTOMATION

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation				Enclosed rotary
Product type designat	tion			cam switch 7GN12
General characteristic				TONTZ
Switching diagram				91 - ON/OFF switch 2 poles
N° of elements				1
Mounting form				P25 - Plastic enclosure with
Contact characteristic	c			red/yellow handle
Rated insulation voltage				
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withsta	und voltage Llimp	OLIOOR	kV	6
Conventional free air t			ΝV	0
		IEC/EN	А	16
		UL/CSA	A	15
Rated operational volt	200	ULICOA	 V	480
Rated operational imp	-		kV	480
	r short-circuit protection In (gG)		ΚV	7
Waximum ruse size io	short-circuit protection in (gG)	10kA	А	16
		15kA	A	10
		25kA	A	10
Rated short time curre	ant low	ZJKA	~	10
Rated Short time cure		1s	kA	200
Conductivity		13	N/1	10/5 mA/V
Operational current le				
	AC1/AC21A			
	ACT/ACZTA		А	16
	AC15		~	10
	ACIS	110V	А	10
		220/230V	A	8
		380/400V	A	4
		660/690V	A	1.5
Rated operational pov	ver in AC.	000/0001	7.	1.0
	Three-phase AC-3			
		220/230V	kW	2.5
		380/440V	kW	4
		500/690V	kW	5.5
	Single-phase AC-3			
	g	110V	kW	0.8
		220/230V	kW	1.5
		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			
	- ·	110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational curr	rent in DC			

## Rated operational current in DC

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	DC21A			
		48V	A	12
		60V	Α	12
		110V	A	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	A	10 (1)
		48V	А	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
	DC13	<b>•</b> • • •		
		24V	A	12
		48V	Α	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for te	erminals 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			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10⁰
UL technical data				
Motor power for direct-				
	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
Resistance & Protectic	on and a second s			

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding 7GN1291P25

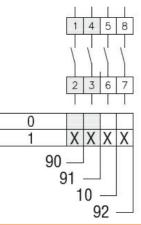
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Frontal IP degre	Frontal IP degree IP65								IP65					
Terminals IP degree IP00							IP00							
Dimensions														
				L L			R			- +			i K	
Series Enclosure	Number of eleme	nts A	A1	С	C1	Dimer D	nsions F	M	N		L1	Cable entry	Protection degree	
7GN12 75x75	1-2 3-4		AI	U	01	U	Г	IVI	IN	L	LI	onay	dogroo	
7GN20	1-2 3-4		75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN25	1 2-3													
7GN12 90x90	1-3 4-6													
7GN20	1-3 4-6						0.5	40		-10		4 5040	1005	
7GN25 7GN32	1-2 3-4		90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32 7GN40	1-2 3-4													
7GN12 110x110	1-4 5-8			-										
7GN20	1-4 5-8													
7GN25	1-3 4-5												15.45	
7GN32	1-3 4-5		110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN40	1-2 3-8	5												
7GN63	1-2 3-4	4												
7GN32 125x175	1-3 4-5													
7GN40	1-2 3-4		175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65	
7GN63	1-2 3-4	1 125	1/5	140	112	0.0	52	21	00	04.0	110.5	2xPG11	1105	
7GN125	1 2													
7GN32 180x254	1-5 6-8		254	54 120	190	5.5	32	35	76	121 17	175	175 4xPG29 2xPG11	IP65	
7GN40	1-4 5-7													
7GN63	1-3 4-6	j i												
7GN125	1-2 3-4	+			-		-					ļ		

Wiring diagrams



#### Certifications and compliance

### Compliance

Compliance	
	IEC/EN/BS 60947-1
	IEC/EN/BS 60947-3
	IEC/EN/BS 60947-5-1
Certificates	
	EAC
ETIM classification	

## **ETIM 8.0**

EC001029 -Selector switch, complete