ENERGY AND AUTOMATION



Product designation			Rotary cam
-			switches
Product type designation			7GN25
General characteristics			92 - ON/OFF
Switching diagram			switch 4 poles
N° of elements			2
			P25 - Plastic
Mounting form			enclosure with
Contract about a visiting			red/yellow handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	02,00,1	kV	6
Conventional free air thermal current Ith			-
	IEC/EN	А	25
	UL/CSA	А	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	25
	15kA 25kA	A A	25 25
Rated short time current Icw	2014	A	25
	1s	kA	400
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	25
AC15			
	110V	А	16
	220/230V	A	12
	380/400V 660/690V	A A	8 2
Rated operational power in AC	000/0907	A	Ζ
Three-phase AC-3			
Three phase Ao o	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
Theory 4,0004	380/440V	kW	5.5
Three-phase AC23A	000/0001	1.1.1.1	6.5
	220/230V	kW	6.5

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7GN2592P25 electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

		380/440V	kW	11
		500/690V	kW	11
	Single-phase AC23A			
		110V	kW	1.5
		220/230V	kW	3.7
		380/440V	kW	5.5
Deted operational our	reat in DC	300/440 V	K V V	5.5
Rated operational curr				
	DC21A	40) (٨	05
		48V	A	25
		60V	А	25
		110V	A	4
		220V	А	0.7
	DC23A (poles in series)			
		24V	А	25 (1)
		48V	А	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			- \ /
	2010	24V	А	25
		48V	A	20
		48V 60V		16
			A	
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for t	terminals max		Nm	0.8
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable	IVIdX	ANG	14
				0.5
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable		-	
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct	t-on-line control			
	for three-phase motor			
		120V	HP	3
		240V	HP	5
		480V	HP	10
		400V 600V	HP	15
		000 V	I IF	10
	for single phase motor			
	for single-phase motor	4001/		1 5
	for single-phase motor	120V	HP	1.5
Ambient conditions	for single-phase motor	120V 240V	HP HP	1.5 3

Temperature

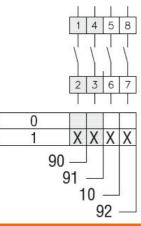
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ENERGY AND AUTOMATION

7GN2592P25 electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

			Opera	tina to	mnor	atura											
			Opera	ing ie	mpere	ature							m	nin	°C	-25	
															°C	+55	
			Ctores											ах	C	+55	
			Storag	je tem	perati	lre									° ^	40	
															°C	-40	
													m	ax	°C	+70	
Resistan			า														
Frontal I																IP65	
Terminal	s IP deg	gree														IP00	
Dimensio	ons																
	<u> </u>		H ^M	×			,	- M				15	C1				
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Series	Enclosure	Number o	f elements	•	A1		01		nsions	м	N		11	Cable	Protection		
	Enclosure size	L	L1	A	A1	C	C1	Dimer D	nsions F	M	N	L	L1	Cable entry	Protection degree		
7GN12 7GN20	Enclosure size 75x75	Number o L 1 - 2 1 - 2	L1 3 - 4 3 - 4	A 75	A1 75	C 50	C1 64			M 14	N 28	L 57.5	L1 79.8	Cable entry 4xPG13.5	Protection degree		
7GN12 7GN20 7GN25	75x75	L 1-2 1-2 1	L1 3 - 4 3 - 4 2 - 3					D	F								
7GN12 7GN20 7GN25 7GN12		L 1-2 1-2 1 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6					D	F								
7GN12 7GN20 7GN25 7GN12 7GN20	75x75	L 1-2 1-2 1 1-3 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6			50	64	D 4.5	F 19		28	57.5	79.8	4xPG13.5	IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32	75x75	L 1-2 1-2 1 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4	75	75			D	F	14							
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN32	75x75 90x90	L 1-2 1 1-3 1-3 1-2 1-2 1-2 1	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	4xPG13.5	IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN32 7GN40 7GN12	75x75	L 1-2 1-3 1-3 1-3 1-2 1-2 1-2 1-4	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	4xPG13.5	IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN25 7GN32 7GN32 7GN40 7GN12 7GN20	75x75 90x90	L 1-2 1-3 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4	L1 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	4xPG13.5 4xPG16	IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN32 7GN32 7GN40 7GN12 7GN40 7GN12 7GN20 7GN25 7GN32	75x75 90x90	L 1-2 1-2 1 1-3 1-3 1-2 1-2 1-2 1 1-4 1-4 1-3 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5	75	75	50	64	D 4.5	F 19	14	28	57.5	79.8	4xPG13.5	IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN20 7GN32 7GN30 7GN40 7GN40 7GN32 7GN32 7GN32	75x75 90x90	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5 3 - 5	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	4xPG13.5 4xPG16	IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN25 7GN32 7GN32 7GN32 7GN32	75x75 90x90 110x110	L 1-2 1-2 1 1-3 1-3 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	4xPG13.5 4xPG16	IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN32 7GN32 7GN32 7GN32 7GN32 7GN32	75x75 90x90	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-3	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 4 - 5 3 - 5 3 - 4 4 - 5 3 - 4	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	4xPG13.5 4xPG16 4xPG21	IP65 IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32	75x75 90x90 110x110 125x175	L 1-2 1-2 1 1-3 1-3 1-2 1-2 1-2 1-4 1-4 1-4 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4	75 90	75 90	50 79	64 63	D 4.5 4.5	F 19 25	14 19	28 30	57.5	79.8 98.3	4xPG13.5 4xPG16	IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN25 7GN32 7GN40 7GN25 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN40 7GN40 7GN40 7GN40	75x75 90x90 110x110 125x175	L 1-2 1-2 1-3 1-3 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4 2 - 3 5 - 8 5 - 5 3 - 4 - 5 - 8 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	4xPG13.5 4xPG16 4xPG21 4xPG21	IP65 IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40	75x75 90x90 110x110 125x175	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-3 1-2 1-3 1-2 1-2 1-2 1-1 1-5	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 5 3 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 3 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	4xPG13.5 4xPG16 4xPG21 4xPG21 2xPG11	IP65 IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN32 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40	75x75 90x90 110x110 125x175	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-2 1-2 1-2 1-2 1-2 1-2 1-2 1-2	L1 3 - 4 3 - 4 2 - 3 4 - 6 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 4 - 5 3 - 4 2 - 3 5 - 8 5 - 4 5 - 8 5 - 4 5 - 7 6 - 8 5 - 7 6 - 7 7 - 7	75 90 110	75 90 110	50 79 98.4	64 63 83	D 4.5 4.5 4.5	F 19 25 32	14 19 21	28 30 39.5	57.5 71.3 85.5	79.8 98.3 119.5	4xPG13.5 4xPG16 4xPG21 4xPG21 4xPG21 4xPG21 4xPG29	IP65 IP65 IP65		
7GN12 7GN20 7GN25 7GN12 7GN20 7GN25 7GN32 7GN32 7GN40 7GN32 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40 7GN32 7GN40	75x75 90x90 1110x110 125x175 180x254	L 1-2 1-2 1 1-3 1-2 1-2 1-2 1-2 1-2 1-4 1-4 1-3 1-3 1-3 1-2 1-3 1-2 1-2 1-2 1-1 1-5	L1 3 - 4 3 - 4 2 - 3 4 - 6 4 - 6 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 4 - 5 3 - 5 3 - 5 3 - 4 4 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 4 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 5 3 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 5 - 8 3 - 5 3 - 4 3 - 4 2 - 3 5 - 8 5 - 8	75 90 110 125	75 90 110 175	50 79 98.4 146	64 63 83 112	D 4.5 4.5 4.5 5.5	F 19 25 32 32	14 19 21 21	28 30 39.5 68	57.5 71.3 85.5 84.3	79.8 98.3 119.5 118.3	4xPG13.5 4xPG16 4xPG21 4xPG21 2xPG11	IP65 IP65 IP65		

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

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ENERGY AND AUTOMATION

IEC/EN/BS 60947-5-1 Certificates EAC ETIM classification EC001105 - Off-**ETIM 8.0** load switch