

## 7GN2505P25 ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

UL         Rated impulse withstand voltage Uimp         Conventional free air thermal current lth         IE         Rated operational voltage         Rated operational impulse voltage         Maximum fuse size for short-circuit protection ln (gG)         Rated short time current lcw         Conductivity         Operational current le IEC/EN         AC1/AC21A       AC15         220/       380/         660/       Rated operational power in AC         Three-phase AC-3	CSA I C/EN CSA I 0kA 15kA	V V kV A A V kV A A A A	cam switch 7GN25 05 - ON/OFF switch 1 pole 1 P25 - Plastic enclosure with red/yellow handle 690 600 6 25 30 480 4 25 25 25 25 25
General characteristics         Switching diagram         N° of elements         Mounting form         Contact characteristics         Rated insulation voltage Ui         IE         UL         Rated impulse withstand voltage Uimp         Conventional free air thermal current Ith         IE         Rated operational voltage         Rated operational impulse voltage         Maximum fuse size for short-circuit protection In (gG)         Rated short time current Icw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/         380/         660/         Rated operational power in AC         Three-phase AC-3         220/	CSA I C/EN CSA I 0kA I5kA	V kV A A kV A A	05 - ON/OFF switch 1 pole 1 P25 - Plastic enclosure with red/yellow handle 690 600 6 25 30 480 4 25 25 25 25 25
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Rated impulse withstand voltage Uimp         Conventional free air thermal current Ith         IE         UL         Rated operational voltage         Rated operational impulse voltage         Maximum fuse size for short-circuit protection In (gG)         Rated short time current Icw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/.380/.660/         Rated operational power in AC         Three-phase AC-3         220/.	I C/EN CSA I I 0kA I 5kA	kV A A V kV A A	6 25 30 480 4 25 25 25 25
Conventional free air thermal current Ith IE UL Rated operational voltage Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG) Rated short time current Icw Conductivity Operational current le IEC/EN AC1/AC21A AC15 220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/	C/EN CSA I I OkA I 5kA	A A V kV A A	25 30 480 4 25 25 25 25
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Image: Construct of the second sec	CSA I I0kA I5kA	A V kV A A	30 480 4 25 25 25 25
Rated operational voltage         Rated operational impulse voltage         Maximum fuse size for short-circuit protection In (gG)         Rated short time current Icw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/.         380/.         660/.         Rated operational power in AC         Three-phase AC-3         220/.         220/.	  0kA  5kA	V kV A A	480 4 25 25 25 25
Rated operational impulse voltage         Maximum fuse size for short-circuit protection In (gG)         Rated short time current lcw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/380/         Rated operational power in AC         Three-phase AC-3         220/2	1 10kA 15kA	kV A A	4 25 25 25
Maximum fuse size for short-circuit protection In (gG)          Rated short time current Icw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/.380/.660/.         Rated operational power in AC         Three-phase AC-3         220/.	10kA 15kA	A A	25 25 25
Rated short time current Icw       Conductivity       Operational current le IEC/EN       AC1/AC21A       AC15       220/.       380/.       660/.       Rated operational power in AC       Three-phase AC-3       220/.	15kA	А	25 25
Rated short time current lcw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220// 380// 660//         Rated operational power in AC         Three-phase AC-3         220//	15kA	А	25 25
Rated short time current lcw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/         380/         660/         Rated operational power in AC         Three-phase AC-3         220/			25
Rated short time current lcw         Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220//380//660//         Rated operational power in AC         Three-phase AC-3         220//200//200//200//200//200//200//200	25KA	A	
Conductivity         Operational current le IEC/EN         AC1/AC21A         AC15         220/.380/.660/.         Rated operational power in AC         Three-phase AC-3         220/.			
Operational current le IEC/EN AC1/AC21A AC15 220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/	1s	kA	400
Operational current le IEC/EN AC1/AC21A AC15 220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/	15 1	KA .	10/5 mA/V
AC1/AC21A AC15 220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/			10/3 117/ 1
AC15 220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/			
220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/		А	25
220/ 380/ 660/ Rated operational power in AC Three-phase AC-3 220/			-
Rated operational power in AC Three-phase AC-3 220/2	110V	А	16
Rated operational power in AC Three-phase AC-3 220/2	230V	А	12
Rated operational power in AC Three-phase AC-3 220/2	400V	Α	8
Three-phase AC-3	690V	А	2
220/			
280/		٢W	5.5
		٢W	7.5
500/	690V k	٨W	7.5
Single-phase AC-3			
		W) ۸۸	1.5
220/		W) ۸۸	3
380/	14UV K	٢W	5.5
Three-phase AC23A		٧W	6.5
	20// r	<w W</w 	0.5 11
		<w <w< td=""><td>11</td></w<></w 	11
Single-phase AC23A	140V k		
	140V k	٧W	1.5
220/	140V k 890V k		3.7
380/	140V k 390V k 110V k	٨W	5.5

## Rated operational current in DC

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ENERGY AND AUTOMATION

OVE

	DC21A			
		48V	А	25
		60V	А	25
		110V	А	4
		220V	А	0.7
	DC23A (poles in series)			
	u i	24V	А	25 (1)
		48V	А	25 (2)
		60V	А	25 (3)
		110V	А	12 (3)
		220V	А	10 (4)
	DC13			
		24V	А	25
		48V	А	20
		60V	А	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for te	arminals may		Nm	0.8
Conductor size				0.0
	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	20
		Max	AWG	10
	AWG - Flexible cable			00
		min	AWG	20
		Max	AWG	12
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	4
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	4
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data				
Motor power for direct-	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				
	Operating temperature			
		min	°C	-25
		max	°Č	+55
	Storage temperature		~	
		min	°C	-40
		max	°C	+70
			-	· -
Resistance & Protectio	n			

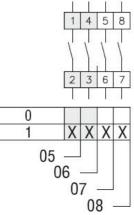


## 7GN2505P25 ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 25A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

Terminals IP degree IP00									IP65 IP00					
Dimensions														
					-		R 		F	- -		°	i.	
Series Enclosur	e Number of elements	A	A1	С	C1	Dimer D	isions F	М	N		L1	Cable entry	Protection degree	
7GN12 75x75 7GN20 7GN25	1-2 3-4 1-2 3-4 1 2-3	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN12 90x90 7GN20 7GN25 7GN32 7GN40	1-3         4-6           1-3         4-6           1-2         3-4           1-2         3-4           1-2         3-4           1         2-3	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN12 110x110 7GN20 7GN25 7GN32 7GN40 7GN63	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32 125x175 7GN40 7GN63 7GN125	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65	
7GN32 7GN40 7GN63 7GN125	1-5         6-8           1-4         5-7           1-3         4-6           1-2         3-4	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65	

Wiring diagrams



08		
Certifications and cor	mpliance	
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

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