

7GN12553P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation			Enclosed rotary
v			cam switch
Product type designation General characteristics			7GN125
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements			3
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A A	125 100 100 100 100
Rated short time current Icw	1s	kA	2100
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		А	125
AC15	110V 220/230V 380/400V 660/690V	A A A A	40 28 15 5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	18.5 37 33
Single-phase AC-3	110V	kW	5
	220/230V 380/440V	kW kW	11 15
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	30 45 37

7GN12553P



7GN12553P ENCLOSED ROTA

PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE	ARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 PC	DLES 125A IN
	PLASTIC ENCLOSURE 180X254MM WITH BL	ACK HANDLE

	Single-phase AC23A			
		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational curr	rent in DC	000,1101		10
Raleu operational cun				
	DC21A		_	
		48V	A	125
		60V	А	80
		110V	А	10
		220V	А	1.2
	DC23A (poles in series)			
	DOZOR (poles in selies)	241/	^	405 (4)
		24V	A	125 (1)
		48V	А	125 (2)
		60V	Α	125 (3)
		110V	А	50 (3)
		220V	А	20 (4)
	DC13	-		- ()
		24V	А	125
		48V	А	100
		60V	Α	50
		110V	А	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for t	erminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	, , , , , , , , , , , , , , , , , , ,	min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable	IVICA	700	1/0
	AVVG - Flexible cable			
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		May	mm ²	50
	Conductor cize (IEC) Disid coble	Max	mm²	50
	Conductor size (IEC) - Rigid cable			
	Conductor size (IEC) - Rigid cable	min	mm²	2.5
	Conductor size (IEC) - Rigid cable			2.5 50
Mechanical life	Conductor size (IEC) - Rigid cable	min	mm²	2.5
	Conductor size (IEC) - Rigid cable	min	mm² mm²	2.5 50
UL technical data		min	mm² mm²	2.5 50
	t-on-line control	min	mm² mm²	2.5 50
UL technical data		min Max	mm² mm² cycles	2.5 50 1X10 ⁶
UL technical data	t-on-line control	min Max 120V	mm² mm² cycles HP	2.5 50 1X10 ⁶ 15
UL technical data	t-on-line control	min Max 120V 240V	mm² mm² cycles HP HP	2.5 50 1X10 ⁶ 15 25
UL technical data	t-on-line control	min Max 120V	mm² mm² cycles HP	2.5 50 1X10 ⁶ 15
UL technical data	t-on-line control	min Max 120V 240V	mm² mm² cycles HP HP	2.5 50 1X10 ⁶ 15 25
UL technical data	t-on-line control for three-phase motor	min Max 120V 240V 480V	mm ² mm ² cycles HP HP HP	2.5 50 1X10 ⁶ 15 25 50
UL technical data	t-on-line control	min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40
UL technical data	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V	mm² mm² cycles HP HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40 5
UL technical data Motor power for direct	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40
UL technical data Motor power for direct	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V	mm² mm² cycles HP HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40 5
UL technical data Motor power for direct	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V	mm² mm² cycles HP HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40 5
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UL technical data Motor power for direct	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V 240V	mm² mm² cycles HP HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40 5 15
UL technical data Motor power for direct	t-on-line control for three-phase motor	min Max 120V 240V 480V 600V 120V	mm² mm² cycles HP HP HP HP HP	2.5 50 1X10 ⁶ 15 25 50 40 5

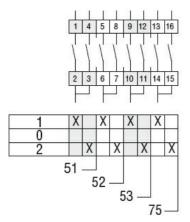
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			Storag	je tem	peratu	ire										
													r	nin	°C	-40
													m	ax	°C	+70
Resistan	ce & Pr	otectio	n													
Frontal IF	^D degre	е														IP65
Terminal	s IP deo	aree														IP00
Dimensio		5														
	N N		M	2.			-	_M					C1			
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	Enclosure	Number	of elements					Dimer	sions					Cabla	Drotostion	
Series	size	L	L1	A	A1	С	C1	D	F	М	N	L	L1	Cable entry	Protection degree	
7GN12	75x75	1-2	3 - 4													
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN25		1	2-3													
7GN12 7GN20	90x90	1-3	4 - 6													
7GN25	1	1-3	3-4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32	1	1-2	3-4									1	00.0	in a ciro		
7GN40		1	2 - 3													
7GN12	110x110	1 - 4	5 - 8													
7GN20	4	1-4	5-8													
7GN25 7GN32		1-3 1-3	4 - 5 4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32	1	1-3	3-5													
7GN63		1-2	3-4													
7GN32	125x175	1-3	4 - 5													
7GN40		1-2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65	
7GN63 7GN125		1-2	3-4	120			1.14	0.0	02			01.0	110.0	2xPG11		
7GN125 7GN32	100.054	1 1-5	2 6 - 8	-												
7GN32	180x254	1-3	5-7						1000					4xPG29		
7GN63	1	1-3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65	
7GN125		1-2	3 - 4													
Wiring di	agrams															

Wiring diagrams



Certificatio	ins and compliance	
Compliand	ce	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificate	S	
	EAC	
7GN12553P	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 nursely illustrative, and are consequently not contractually binding.	3 / 4

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ENERGY AND AUTOMATION

ETIM classification

ETIM 8.0

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> EC001029 -Selector switch, complete

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