



ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 2 SPEED MOTOR STARTING WITH SEPARATE WINDINGS 32A IN PLASTIC ENCLOSURE 90X90 WITH RED/YELLOW HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN32
General characteristics			
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements			3
Mounting form			P25 - Plastic enclosure with red/yellow 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	Α	32
	UL/CSA	Α	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		_	
	10kA	A	32
	15kA	A	32
	25kA 50kA	A	32 32
Rated short time current lcw	JUKA	A	32
Nated Short time current icw	1s	kA	800
Conductivity	13	IVA	10/5 mA/V
Operational current le IEC/EN			10/0 111/4 4
AC1/AC21A			
, , , , , , , , , , , , , , , , , , ,		Α	32
AC15			
	110V	Α	25
	220/230V	Α	20
	380/400V	Α	10
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3	/		
	220/230V	kW	7.5
	380/440V	kW kW	11
Single phase AC 2	500/690V	KVV	11
Single-phase AC-3	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5
Three-phase AC23A		<u> </u>	
·	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	18.5
Single-phase AC23A			



7GN3253P25

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		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Poted energtional our	ront in DC	300/440 V	IXVV	7.0
Rated operational curi				
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
	2020/ (poloc iii collec)	24V	Α	32 (1)
		48V	A	
				32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for t	terminals max		Nm	1.2
Conductor size				
0011440101 0120	AWG - Rigid cable			
	AWG - Rigid Cable		AWG	16
				16
		min		
		Max	AWG	8
	AWG - Flexible cable			
	AWG - Flexible cable			
	AWG - Flexible cable	Max	AWG	8
		Max min	AWG	16
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
		Max min Max min	AWG AWG AWG	16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
		Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 4
	Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm²	16 10 1.5 4
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	16 10 1.5 4 1.5 6
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm²	16 10 1.5 4
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm² mm²	16 10 1.5 4 1.5 6
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm² mm²	16 10 1.5 4 1.5 6
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min	AWG AWG AWG mm² mm² mm² mm²	16 10 1.5 4 1.5 6
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	8 16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	16 10 1.5 4 1.5 6 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG AWG AWG mm² mm² mm² cycles HP HP HP HP	16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles HP HP HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor for single-phase motor	Max min Max min Max min Max 120V 240V 480V 600V 120V 240V	AWG AWG AWG mm² mm² mm² cycles HP HP HP HP	16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15





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Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP65
Terminals IP degree			IP00
ETIM classification			
			EC001029 -
ETIM 8.0			Selector switch,
			complete