ENCLOSED ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 4 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE



Product designation			Rotary cam		
Product type designation			switches 7GN32		
General characteristics					
Switching diagram			75 - Changeover switch 4 poles		
N° of elements			4		
Mounting form			P - Plastic enclosure with black handle		
Contact characteristics					
Rated insulation voltage Ui					
	IEC/EN	V	690		
	UL/CSA	V	600		
Rated impulse withstand voltage Uimp		kV	6		
Conventional free air thermal current Ith	IEO/EN	۸	20		
	IEC/EN UL/CSA	A A	32 40		
Rated operational voltage	OL/COA		480		
Rated operational impulse voltage		kV	4		
Maximum fuse size for short-circuit protection In (gG)					
	10kA	Α	32		
	15kA	Α	32		
	25kA	Α	32		
	50kA	Α	32		
Rated short time current Icw	1s	kA	800		
Conductivity	13	IV-X	10/5 mA/V		
Operational current le IEC/EN			10,011114		
AC1/AC21A					
		Α	32		
AC15					
	110V	Α	25		
	220/230V	Α	20		
	380/400V	A	10		
Rated operational power in AC	660/690V	Α	2		
Three-phase AC-3					
Throo phase no o	220/230V	kW	7.5		
	380/440V	kW	11		
	500/690V	kW	11		
Single-phase AC-3					
	110V	kW	2.2		
	220/230V	kW	4		
There are a constant and a constant	380/440V	kW	6.5		
Three-phase AC23A					



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		220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A			
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational curr				
	DC21A	40\/	^	20
		48V 60V	A	32
		110V	A A	32 6
		220V	A	0.9
	DC23A (poles in series)	220 V		0.9
	DOZDA (poles in series)	24V	Α	32 (1)
		48V	A	32 (1)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
	DC13	220 V		12 (4)
	DO13	24V	Α	32
		48V	A	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation		2201	W	1.5
Mechanical features			•••	1.0
Terminals screw				M4
Terminals screw Tightening torque for to	erminals max		Nm	M4 1.2
	erminals max		Nm	
Tightening torque for to	erminals max AWG - Rigid cable		Nm	
Tightening torque for to		min	Nm AWG	
Tightening torque for to		min Max		1.2
Tightening torque for to			AWG	1.2
Tightening torque for to	AWG - Rigid cable		AWG	1.2
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	1.2 16 8
Tightening torque for to	AWG - Rigid cable	Max min	AWG AWG	1.2 16 8 16 10
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	1.2 16 8 16 10
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG AWG	1.2 16 8 16 10
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control	Max min Max min Max	AWG AWG AWG AWG mm² mm²	1.2 16 8 16 10 1.5 4
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10°
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
Tightening torque for to Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable -on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² mm² cycles	1.2 16 8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15



ENERGY AND AUTOMATION

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Temperature

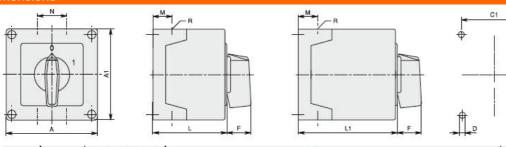
Operating temperature

	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

Resistance & Protection

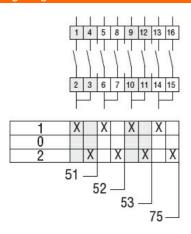
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



Series	Enclosure	Number o	f elements	Dimensions						ule	Cable	Protection			
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	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	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6		0.000					200000					
7GN25]	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4					10000							530004-200002
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1-4	5-8												
7GN25	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32]	1-3	4 - 5	110	110	96.4	83	4.5	32	21	39.5	65.5	119.5	4XPG21	1700
7GN40	1	1-2	3-5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												- 33
7GN40	2013-1900/2009	1 - 2	3 - 4	105	175	140	110		32	21	68	040	1100	4xPG21	IDCE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40	1	1 - 4	5 - 7	100	054	400	100		20	35	70	404	475	4xPG29	IDCE
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 diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN3275P

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IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0 EC001105 - Off-load switch