

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 32A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 65X65MM

Product designation			Rotary cam switches
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			O - Rear mounting 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	150/5N	•	22
	IEC/EN	A	32
Detect energianal valtega	UL/CSA	A V	40 480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		K V	4
Maximum ruse size for short-circuit protection in (gG)	10kA	Α	32
	15kA	A	32
	25kA	A	32
	50kA	Α	32
Rated short time current lcw			
	1s	Α	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	32
AC15			
	110V	Α	25
	220/230V	Α	20
	380/400V	A	10
Detail anarctional never in AC	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3			
5 1	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5
Three-phase AC23A			_
	220/230V	kW	8
	380/440V	kW	15
0'11	500/690V	kW	18.5
Single-phase AC23A			



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		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational cur	rent in DC	000/1101	11.00	7.0
Nateu operational cui				
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
	DOZOA (poles III selles)	241/	۸	22 (4)
		24V	Α	32 (1)
		48V	Α	32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	A	25
		60V	Α	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
	Construction of the constr		NI	
Tightening torque for t	terminais max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
				4.0
		min	AWG	16
		min Max	AWG AWG	16 8
	AWG - Flovible cable	min Max	AWG	8
	AWG - Flexible cable	Max	AWG	8
	AWG - Flexible cable	Max min	AWG	16
		Max	AWG	8
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min	AWG	16
		Max min	AWG	16
		Max min Max	AWG AWG AWG	16 10
	Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG	16 10 1.5
		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	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	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	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	Max min Max min Max	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 t-on-line control	Max min Max min Max	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 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	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	16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 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	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	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	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

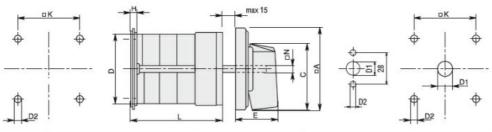


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min	°C	-40
max	°C	+70

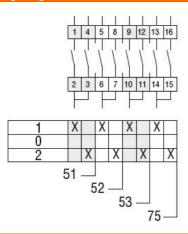
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series Dimensions					L Number of elements															
Series	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

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

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification



7GN3253O

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ETIM 8.0

EC001029 -Selector switch, complete