ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 16A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation General characteristics			7GN12
General characteristics			52 - Changeover
Switching diagram			switch 2 poles
N° of elements			2
			U - Front
Mounting form			mounting with
Contact characteristics			black handle
Rated insulation voltage Ui			
Nated Insulation voitage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	Α	16
	UL/CSA	Α	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	•	40
	10kA	A	16
	15kA 25kA	A A	10 10
Rated short time current lcw	ZJKA		10
rated short time current low	1s	Α	200
Conductivity	``		10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	16
AC15			
	110V	Α	10
	220/230V	A	8
	380/400V 660/690V	A A	4 1.5
Rated operational power in AC	000/090 V		1.0
Three-phase AC-3			
Three phase he s	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
TI	380/440V	kW	2.2
Three-phase AC23A	220/2201	/ \/\	2
	220/230V	kW	3





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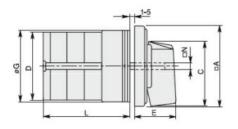
		380/440V	kW	5.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur	rent in DC			
•	DC21A			
		48V	Α	12
		60V	Α	12
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	DOZON (poled in delico)	24V	Α	10 (1)
		48V	A	10 (1)
		60V	A	10 (2)
		110V		
		220V	A A	5 (3) 5 (4)
	D040	2200	A	5 (4)
	DC13	0.417	Α.	4.0
		24V	Α	12
		48V	Α	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
			• • •	
Mechanical features			••	
Mechanical features Terminals screw				M3
Mechanical features	terminals max		Nm	
Mechanical features Terminals screw	terminals max			M3
Mechanical features Terminals screw Tightening torque for t	terminals max AWG - Rigid cable			M3
Mechanical features Terminals screw Tightening torque for t		min		M3
Mechanical features Terminals screw Tightening torque for t		min Max	Nm AWG	M3 0.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable		Nm	M3 0.5
Mechanical features Terminals screw Tightening torque for t		Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable	Max min	Nm AWG AWG	M3 0.5 20 12 20
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max	Nm AWG AWG	M3 0.5 20 12
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable	Max min Max	Nm AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min	Nm AWG AWG AWG AWG AWG	M3 0.5 20 12 20 14 0.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	Nm AWG AWG AWG	M3 0.5 20 12 20 14
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for t	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw Tightening torque for to Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5
Mechanical features Terminals screw Tightening torque for to Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	Nm AWG AWG AWG AWG mm² mm²	M3 0.5 20 12 20 14 0.5 2.5 0.5
Mechanical features Terminals screw 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	M3 0.5 20 12 20 14 0.5 2.5
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Mechanical features Terminals screw 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	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw 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	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw 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 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw 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 120V 240V 480V	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw 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 t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶
Mechanical features Terminals screw 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 120V 240V 480V 600V	Nm AWG AWG AWG AWG mm² mm² cycles HP HP HP HP	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶ 1.5 3 50 40
Mechanical features Terminals screw 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 t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	Nm AWG AWG AWG AWG mm² mm² cycles	M3 0.5 20 12 20 14 0.5 2.5 0.5 2.5 3x10 ⁶

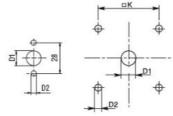


ENERGY AND AUTOMATION

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Ambient conditions Temperature Operating temperature °C min -25 °C +55 max Storage temperature °C min -40 °C +70 max Resistance & Protection Frontal IP degree **IP40** Terminals IP degree IP00 **Dimensions**

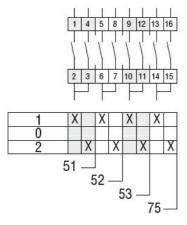




Standard drillings for 7GN125.
Drillings on request for 4 screws fixing (4V version).

Series	Dimensions								L Number of elements												
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	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

EAC



7GN1252U

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UL

ETIM classification

ETIM 8.0 EC001105 - Off-load switch