ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 2 POLES 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM



Product designation			Rotary cam
•			switches
Product type designation			7GN20
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			
rated insulation voltage 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	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	^	0.0
	10kA 15kA	A A	20 16
	25kA	A	16
Rated short time current Icw	ZJKA		10
raisa sherrainis sarrent isin	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			_
AC1/AC21A			
		Α	20
AC15			
	110V	Α	10
	220/230V	A	8
	380/400V 660/690V	A A	6 1.5
Rated operational power in AC	000/090 V		1.0
Three-phase AC-3			
Times phase the s	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
There also A 000A	380/440V	kW	3
Three-phase AC23A	220/2201/	F/V /	5
	220/230V	kW	5





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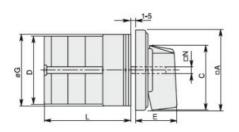
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			
•	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
	2 2 2 3 1 (F 3 1 3 3 1 3 3 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	24V	Α	20 (1)
		48V	A	20 (2)
		60V	Α	20 (3)
		110V	A	10 (3)
		220V	A	8 (4)
	DC13	220 V		O (4)
	D013	24V	Α	20
		48V	A	16
		60V	A	12
		110V	A	1
		220V	A	0.4
		440V	A	0.4
Power dissipation		440 V	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
	arminala may		Nm	0.5
Tightening torque for to Conductor size	errillidis max		INIII	0.5
Conductor size	AVAC Divid coble			
	AWG - Rigid cable		A1A/O	00
		min	AWG	20
	ANALO EL III III	Max	AWG	12
	AWG - Flexible cable		A14/0	0.0
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable		_	
			mm²	0.5
		min		
		min Max	mm²	2.5
	Conductor size (IEC) - Rigid cable	Max	mm²	
	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
	Conductor size (IEC) - Rigid cable	Max	mm² mm² mm²	0.5 2.5
Mechanical life	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5
UL technical data		Max min	mm² mm² mm²	0.5 2.5
	on-line control	Max min	mm² mm² mm²	0.5 2.5
UL technical data		Max min Max	mm² mm² mm² cycles	0.5 2.5 5x10 ⁶
UL technical data	on-line control	Max min	mm² mm² mm²	0.5 2.5
UL technical data	on-line control	Max min Max 120V 240V	mm² mm² mm² cycles	0.5 2.5 5x10 ⁶ 1.5
UL technical data	on-line control	Max min Max	mm² mm² mm² cycles	0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	on-line control	Max min Max 120V 240V	mm² mm² cycles	0.5 2.5 5x10 ⁶ 1.5
UL technical data	on-line control	Max min Max 120V 240V 480V	mm² mm² cycles	0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	on-line control for three-phase motor	Max min Max 120V 240V 480V	mm² mm² cycles	0.5 2.5 5x10 ⁶ 1.5 3 7.5
UL technical data	on-line control for three-phase motor	Max min Max 120V 240V 480V 600V	mm² mm² cycles HP HP HP	0.5 2.5 5x10 ⁶ 1.5 3 7.5

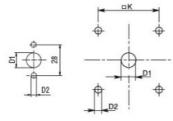


Dimensions

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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

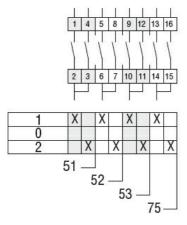




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

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

cCSAus



7GN2052U

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EAC		
UL		

ETIM classification

7GN2052U

ETIM 8.0 EC001105 - Off-load switch