



# ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			108 - Multi-step 0-1-2-3 1 pole
N° of elements			2
Mounting form			U - Front 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			
	IEC/EN	Α	20
	UL/CSA	Α	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	A	16
Rated short time current Icw	25kA	A	16
Rated Short time current icw	1s	Α	250
Conductivity	15	A	10/5 mA/V
Operational current le IEC/EN			10/3 1117/ V
AC1/AC21A			
NO IINO ZIN		Α	20
AC15			
	110V	Α	10
	220/230V	Α	8
	380/400V	Α	6
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3	4407	1366	0.0
	110V	kW	0.8
	220/230V	kW	2.2
Throa phace AC22A	380/440V	kW	3
Three-phase AC23A	220/230V	kW	5
	380/440V	kW	5 7.5
	500/440V 500/690V	kW	7.5 7.5
Single-phase AC23A	300/030 V	IVVV	7.5
Jingio phase AOZOA	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7





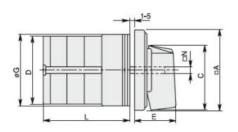
# ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3, 1 POLE 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

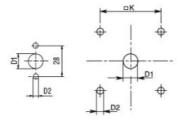
	DC21A				
	DOZIA	48V	Α	20	
		60V	A	20	
		110V	A	4	
		220V	A	0.6	
		440V	A	0.25	
	DC23A (poles in series)	1101	,,	0.20	
	DOZON (poles in series)	24V	Α	20 (1)	
		48V	A	20 (2)	
		60V	A	20 (3)	
		110V	A	10 (3)	
		220V	A	8 (4)	
	DC13	2201	,,	3 (1)	
	2010	24V	Α	20	
		48V	Α	16	
		60V	Α	12	
		110V	Α	1	
		220V	A	0.4	
		440V	A	0.15	
Power dissipation		770 V	W	0.8	
Mechanical features			V V	0.0	
Terminals screw				M3	
Tightening torque for te	erminals may		Nm	0.5	
Conductor size	Similar max		14111	0.0	
Conductor Size	AWG - Rigid cable				
	AWG - Nigiti cable	min	AWG	20	
		Max	AWG	12	
	AWG - Flexible cable	IVIAX	AVVO	12	
	AVVG - Flexible Cable	min	AWG	20	
			AVVG	20	
	Conductor size (IEC) Flevible coble	Max	AWG	14	
	Conductor size (IEC) - Flexible cable	Max	AWG	14	
	Conductor size (IEC) - Flexible cable	Max min	AWG	0.5	
		Max	AWG	14	
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max	AWG mm² mm²	0.5 2.5	
		Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5	
Maghanical life		Max min Max	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
Mechanical life		Max min Max min	AWG  mm²  mm²  mm²	0.5 2.5 0.5	_
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
	Conductor size (IEC) - Rigid cable	Max min Max min	MMG  mm² mm²  mm²  mm²	0.5 2.5 0.5 2.5	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max	MMG mm² mm² mm² mm² cycles	0.5 2.5 0.5 2.5 5x10 <sup>6</sup>	
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max	MMG  mm² mm²  mm²  mm²  cycles	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup>	_
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V	MWG  mm² mm² mm² cycles  HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3	_
UL technical data	Conductor size (IEC) - Rigid cable	Max min Max min Max  120V 240V 480V	MWG  mm² mm² mm² cycles  HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5	_
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V	MWG  mm² mm² mm² cycles  HP HP	14 0.5 2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3	
UL technical data	Conductor size (IEC) - Rigid cable	min Max min Max 120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10  0.75	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	min Max min Max 120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data  Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max min Max  120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10  0.75	
UL technical data Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V	MWG  mm² mm² mm² cycles  HP HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10  0.75	
UL technical data  Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor	Max min Max  min Max  120V 240V 480V 600V  120V 240V	MWG  mm² mm² mm² cycles  HP HP HP HP HP	1.5 3 7.5 1.0 0.75 2.5	
UL technical data  Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	MWG  mm² mm² mm² cycles  HP HP HP HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10  0.75 2	
UL technical data  Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor  Operating temperature	Max min Max  min Max  120V 240V 480V 600V  120V 240V	MWG  mm² mm² mm² cycles  HP HP HP HP HP	1.5 3 7.5 1.0 0.75 2.5	
UL technical data  Motor power for direct-	Conductor size (IEC) - Rigid cable  on-line control for three-phase motor  for single-phase motor	Max min Max min Max  120V 240V 480V 600V  120V 240V	MWG  mm² mm² mm² cycles  HP HP HP HP HP HP	14  0.5 2.5  0.5 2.5  5x10 <sup>6</sup> 1.5 3 7.5 10  0.75 2	



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	max	°C.	+/0
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree		•	IP00
Dimensions			

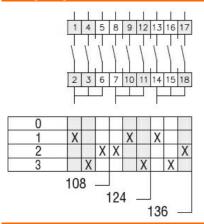




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Carian	Dimensions								L Number of elements												
Series	ΠA	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

0200

Certificates

cCSAus

EAC

UL

ETIM classification

**ETIM 8.0** 

EC001029 -Selector switch, complete