



# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2-3-4-5, 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation				Enclosed rotary
_				cam switch
Product type designation General characteristics				7GN20
Switching diagram				110 - Multi-step 0-1-2-3-4-5 1 pole
N° of elements				3
Mounting form				P - Plastic enclosure with black handle
Contact characteristics				
Rated insulation voltage	e Ui			
		IEC/EN	V	690
		UL/CSA	V	600
Rated impulse withstan			kV	6
Conventional free air th	ermal current Ith		_	
		IEC/EN	A	20
Details and details		UL/CSA	A	20
Rated operational volta			V	480
Rated operational impu	-		kV	4
waximum luse size for	short-circuit protection In (gG)	401.4	^	20
		10kA 15kA	A A	20 16
		25kA	A	16
Rated short time currer	at Icw	ZJRA		10
Nateu Short time currer	it icw	1s	kA	250
Conductivity		13	IVA	10/5 mA/V
Operational current le I	FC/FN			10/0 111/ 4 4
operational current is	AC1/AC21A			
			Α	20
	AC15			_
		110V	Α	10
		220/230V	Α	8
		380/400V	Α	6
		660/690V	Α	1.5
Rated operational power				
	Three-phase AC-3			
		220/230V	kW	3
		380/440V	kW	5.5
	Circle also AO O	500/690V	kW	5.5
	Single-phase AC-3	110V	kW	0.8
		220/230V	kW	2.2
		380/440V	kW	3
	Three-phase AC23A	300/7701	17.4.4	
	00 pila00 / 1020/1	220/230V	kW	5
		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A			
	J .	110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre	ent in DC			





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	DC04A				
	DC21A	40\/	۸	20	
		48V	A	20	
		60V	A	20	
		110V	Α	4	
		220V	Α	0.6	
		440V	Α	0.25	
	DC23A (poles in series)				
		24V	Α	20 (1)	
		48V	Α	20 (2)	
		60V	Α	20 (3)	
		110V	Α	10 (3)	
		220V	Α	8 (4)	
	DC13				
		24V	Α	20	
		48V	Α	16	
		60V	Α	12	
		110V	Α	1	
		220V	Α	0.4	
		440V	Α	0.15	
Power dissipation			W	0.8	
Mechanical features				0.0	
Terminals screw				M3	
Tightening torque for te	arminals may		Nm	0.5	
Conductor size	errilliais max		INIII	0.5	
Conductor Size	AWC Bigid poble				
	AWG - Rigid cable		AWG	20	
		min		20	
	AMO EL III III	Max	AWG	12	
	AWG - Flexible cable				
		min	AWG	20	
		Max	AWG	14	
	Conductor size (IEC) - Flexible cable				
		min	mm²	0.5	
		min Max	mm² mm²	0.5 2.5	
	Conductor size (IEC) - Rigid cable				
	Conductor size (IEC) - Rigid cable			0.5	
	Conductor size (IEC) - Rigid cable	Max	mm²	2.5	
Mechanical life	Conductor size (IEC) - Rigid cable	Max min	mm²	0.5	
UL technical data		Max min	mm² mm² mm²	2.5 0.5 2.5	
		Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data		Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data	-on-line control	Max min	mm² mm² mm²	2.5 0.5 2.5	
UL technical data	-on-line control	Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup>	
UL technical data	-on-line control	Max min Max	mm² mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup>	
UL technical data	-on-line control	Max min Max 120V 240V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5	
UL technical data	-on-line control for three-phase motor	Max min Max 120V 240V 480V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5	
UL technical data	-on-line control	Max min Max  120V 240V 480V 600V	mm² mm² cycles	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data  Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data Motor power for direct-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V	mm² mm² cycles  HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10	
UL technical data  Motor power for direct-	-on-line control for three-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	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-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	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-	-on-line control for three-phase motor  for single-phase motor  Operating temperature	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	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-	-on-line control for three-phase motor  for single-phase motor	Max min Max  120V 240V 480V 600V  120V 240V	mm² mm² cycles  HP HP HP HP HP	2.5 0.5 2.5 5x10 <sup>6</sup> 1.5 3 7.5 10 0.75 2	



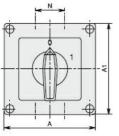
**ENERGY AND AUTOMATION** 

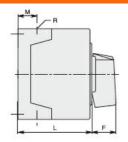
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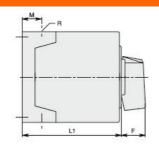
max °C +70

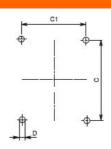
# Resistance & Protection Frontal IP degree IP65 Terminals IP degree IP00

## Dimensions



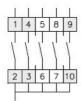






Series	Enclosure	Number o	f elements		Dimensions								Cable	Protection	
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00000		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	100000000000000000000000000000000000000
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4			3.55				33-2-5					30-30-30-17
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		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	90.4	00	4.5	32	21	39.5	05.5	119.5	417621	100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40		1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	123	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	1100
7GN125		1	2							N.	L.				
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	204	120	190	5.5	32	35	10	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

#### Wiring diagrams



0					
1	X				
2			Χ		
3		1: 0			X
4		X			
5				Χ	
			110	)	

### Certifications and compliance

Compliance

IEC/EN/BS 60947-1

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

Certificates

EAC

ETIM classification



#### 7GN20110P

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ETIM 8.0

EC001029 -Selector switch, complete