

# ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE



Product designation			Enclosed rotary cam switch
Product type designation			7GN20
General characteristics			
Switching diagram			90 - ON/OFF switch 1 pole
N° of elements			1
Mounting form			P - Plastic enclosure 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	150/51		00
	IEC/EN	A	20
Detect energtional voltage	UL/CSA	A V	20 480
Rated operational voltage Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		ΚV	<b>-</b>
Maximum ruse size for short circuit protection in (ge)	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15	440)/		4.0
	110V	A	10
	220/230V 380/400V	A	8 6
	660/690V	A A	1.5
Rated operational power in AC	000/000 V		1.0
Three-phase AC-3			
mas phase it a	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
	380/440V	kW	3
Three-phase AC23A	220/230V	kW	5



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		380/440V	kW	7.5
		500/690V	kW	7.5
	Cingle phase ACOOA	300/030 V	- KVV	7.5
	Single-phase AC23A	4.4017		
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational c	urrent in DC			
·	DC21A			
		48V	Α	20
		60V	A	20
		110V		
			A	4
		220V	Α	0.6
		440V	Α	0.25
	DC23A (poles in series)			
		24V	Α	20 (1)
		48V	Α	20 (2)
		60V	A	20 (3)
		110V		
			A	10 (3)
		220V	A	8 (4)
	DC13			
		24V	Α	20
		48V	Α	16
		60V	Α	12
		110V	A	1
		220V		0.4
			A	
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	or terminals max		Nm	0.5
Conductor size				
Conductor Size	ANAC Divid cable			
	AWG - Rigid cable			•
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable	IVIUX		
	Conductor Size (IEC) - Flexible Cable		?	0.5
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			0 y 0103	JA 10
	act on line control			
Motor power for dire				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single phase mater	0007	TIF'	10
	for single-phase motor		=-	
		120V	HP	0.75
		0.40\/	LID	•
		240V	HP	2

**ENERGY AND AUTOMATION** 

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### Ambient conditions

### Temperature

Operating temperature

	max	°C	+55
Storage temperature			

Storage temperature

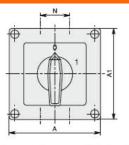
min	°C	-40
max	°C	+70

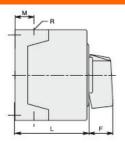
## Resistance & Protection

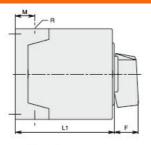
Frontal IP degree IP65

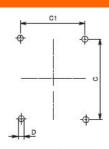
Terminals IP degree IP00

#### **Dimensions**



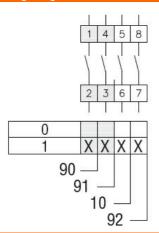






Series	Enclosure	Number o	f elements	Dimensions						Cable	Protection				
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20	]	1-3	4 - 6	001		0.000	100000	10000000	2000	100000			10000000	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				37-33					31000000000
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	30.4	65	4.5	32	21	39.5	00.0	119.5	47.021	11.02
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												100
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	1/3	140	112	0.0	32	21	00	04.3	110.5	2xPG11	11.02
7GN125		1	2							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	0.0	32	33	70	121	175	2xPG11	1100
7GN125		1-2	3 - 4												

# Wiring diagrams



# Certifications and compliance

### Compliance



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### 7GN2090P

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

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete