

#### electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 20A IN PLASTIC **ENCLOSURE 75X75MM WITH BLACK HANDLE ENERGY AND AUTOMATION**

Product designation			Enclosed rotary cam switch
Product type designation  General characteristics			7GN20
Switching diagram			07 - ON/OFF switch 3 poles
N° of elements			2
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Dated impulse withstand voltage Llimp	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp  Conventional free air thermal current Ith		KV	б
Conventional free all thermal current till	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage	02/00/1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	20
	15kA	Α	16
	25kA	Α	16
Rated short time current lcw			
On Lot 9	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A			
A01/A021A		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	222/225		•
	220/230V	kW	3
	380/440V 500/690V	kW kW	5.5 5.5
Single-phase AC-3	300/0301	IV V V	J.J
Single phase no s	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A	44017	1.147	0.0
	110V 220/230V	kW kW	0.8
	220/230V 380/440V	kW	2.5 3.7
Rated operational current in DC	300/ <del>11</del> 0 V	1 \ V \ V	0.1



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	DC21A			
	502	48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)	4401		0.20
	DOZOA (poics in schoo)	24V	Α	20 (1)
		48V	A	20 (1)
		60V	A	20 (2)
		110V		, ,
		220V	A	10 (3)
	DC13	220 V	Α	8 (4)
	DC13	0.41/	٨	00
		24V	A	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				
Terminals screw				M3
Tightening torque for te	rminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
	g.u came	min	AWG	20
		Max	AWG	12
	AWG - Flexible cable	TTIOUT	7	
	AWO FICAIDIC GADIC	min	AWG	20
		Max	AWG	14
	Conductor size (IEC). Florrible coble	IVIAX	AVVG	
	Conductor size (IEC) - Flexible cable		2	٥٢
		min	mm²	0.5
	0 1 1 (150) 5:11	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				
Motor power for direct-				
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
		480V	HP	7.5
		600V	HP	10
	for single-phase motor			
		120V	HP	0.75
		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	V 1	min	°C	-40

**IP65** 

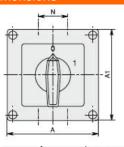
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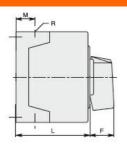
**ENERGY AND AUTOMATION** 

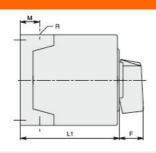
°C +70 max Resistance & Protection Frontal IP degree

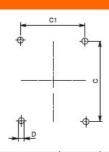
Terminals IP degree IP00

#### **Dimensions**



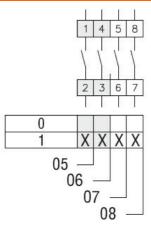






Series	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	001		0.000	100000	10000000	2000	100000				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



# Certifications and compliance

Compliance

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

**EAC** 

ETIM classification





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ENERGY AND AUTOMATION

ETIM 8.0

EC001105 - Off-load switch