

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A IN PLASTIC ENERGY AND AUTOMATION ENCLOSURE 75X75MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN20
General characteristics Switching diagram			06 - ON/OFF switch 2 poles
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	.= o /= ·		00
	IEC/EN	A	20
Date description of contract	UL/CSA	A V	20
Rated operational voltage		v kV	480
Rated operational impulse voltage Maximum fuse size for short-circuit protection In (gG)		KV	4
Maximum ruse size for short-circuit protection in (gG)	10kA	Α	20
	15kA	A	16
	25kA	A	16
Rated short time current lcw	2010 (10
Traise offer and out one for	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		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
Circula in branch AO O	500/690V	kW	5.5
Single-phase AC-3	4401/	12///	0.0
	110V 220/230V	kW kW	0.8 2.2
	380/440V	kW	3
Three-phase AC23A	300/4407	r. v v	J
THICE PHASE ACZOA	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC23A			
3 1	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7



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	DC21A			
	502111	48V	Α	20
		60V	A	20
		110V	A	4
		220V	A	0.6
		440V	A	0.0
	DC224 (nales in series)	440 V	Α	0.25
	DC23A (poles in series)	0.41/	۸	00 (4)
		24V	A	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				
Terminals screw				M3
Tightening torque for te	erminals may		Nm	0.5
Conductor size	ininiais max		1 11111	0.0
Conductor Size	AVAICA District cable			
	AWG - Rigid cable		414/0	00
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		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 ⁶
UL technical data			.,	
Motor power for direct-	on-line control			
	for three-phase motor			
	101 till 00 prid00 motor	4001/	HP	1.5
		12011		
		120V		
		240V	HP	3
		240V 480V	HP HP	3 7.5
	for all plants and the	240V	HP	3
	for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
	for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
	for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Ambient conditions	for single-phase motor	240V 480V 600V	HP HP HP	3 7.5 10
Ambient conditions Temperature		240V 480V 600V	HP HP HP	3 7.5 10
	for single-phase motor Operating temperature	240V 480V 600V	HP HP HP HP	3 7.5 10 0.75 2
		240V 480V 600V	HP HP HP HP	3 7.5 10
		240V 480V 600V 120V 240V	HP HP HP HP	3 7.5 10 0.75 2
	Operating temperature	240V 480V 600V 120V 240V	HP HP HP HP	3 7.5 10 0.75 2
		240V 480V 600V 120V 240V	HP HP HP HP	3 7.5 10 0.75 2

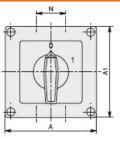
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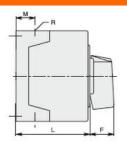
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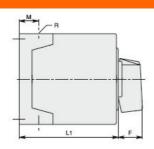
°C +70 max

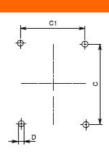
Resistance & Protection	
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



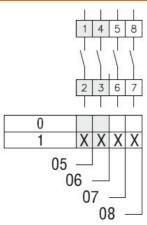






Series Er	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000			180000				2007.075340.004.000000	
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4			3,593		1.00.000		31-3-4		0.00000000		31-110-220000	200000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20	2001.00.500.000.000	1-4	5 - 8												
7GN25	1	1-3	4 - 5	440	440	00.4	83	4.5	32	21	20.5	05.5	1105	40004	IDOC
7GN32	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN40	1	1-2	3-5												
7GN63	1	1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	200000000000000000000000000000000000000	1 - 2	3 - 4	105	175	140	110		32	21	68	040	440.0	4xPG21	IDCE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	80	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	35	76	101	175	4xPG29	IDec
7GN63	1	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
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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ETIM 8.0

EC001105 - Offload switch