ENERGY AND AUTOMATION

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 20A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE



Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			7 61120
Switching diagram			92 - ON/OFF
			switch 4 poles
N° of elements			2
Mounting form			P - Plastic enclosure with
Mounting form			black handle
Contact characteristics			Sider Hariaie
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
Data Lavarita de la lica	UL/CSA	A	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 Icw			
	1s	kA	250
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	20
AC15			
	110V	A	10
	220/230V	A	8
	380/400V 660/690V	A A	6 1.5
Rated operational power in AC	000/090 V		1.5
Three-phase AC-3			
Till So pilaso No o	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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DICOLLIG	ENCLOSURE 75X75MM WITH BLACK HANDLE
ENERGY AND AUTOMATION	ENGLOSCINE 75X75WWW WITH BEAGIN HANDLE

		380/440V	kW	7.5
		500/690V	kW	7.5
	Single-phase AC23A	000,0001		1.0
	Single-phase AC25A	110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	A	0.25
	DC22A (nolog in parios)	T-10 V		0.20
	DC23A (poles in series)	0.41/	Δ.	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	A	16
		60V		12
			A	
		110V	A	1
		220V	Α	0.4
-		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for	terminals max		Nm	0.5
Conductor size				
0011000101 3120	AWG - Rigid cable			
	AVVG - Rigid Cable	!	A1A/O	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	IVICIA	111111	2.0
	Conductor Size (IEC) - Rigid Cable		na na 2	0.5
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for dire	ct-on-line control			
	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



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Ambient conditions

Temperature

Operating temperature

	min	°C	-25
	max	°C	+55
Storage temperature			

Storage temperature

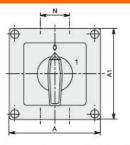
min	°C	-40
may	°C	⊥ 7∩

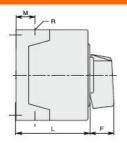
Resistance & Protection

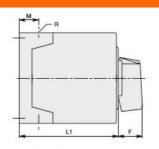
Frontal IP degree IP65

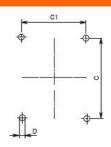
Terminals IP degree IP00

Dimensions



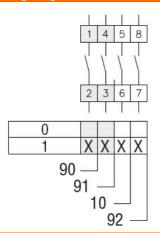






Series	Enclosure size	Number o	f elements	Dimensions						Cable	Protection				
Series		L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 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				37-13					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	39.3	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	5.5	32	33	76	121	1/5	2xPG11	11.00
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance



7GN2092P

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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 EC001105 - Off-load switch