

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**

Product designation			Enclosed rotary cam switch
Product type designation General characteristics			7GN20
Switching diagram			06 - ON/OFF switch 2 poles
N° of elements			1
Mounting form			P25 - Plastic enclosure with red/yellow 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		
	IEC/EN	A	20
Detect as a section of college	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	۸	20
	15kA	A A	20 16
	25kA	A	16
Rated short time current lcw	ZOIVA		10
react short time current low	1s	kA	250
Conductivity	10	10 (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
	500/690V	kW	5.5
Single-phase AC-3	440)4		
	110V	kW	0.8
	220/230V	kW	2.2
Three phase ACCOA	380/440V	kW	3
Three-phase AC23A	220/230V	kW	5
	220/230V 380/440V	kW	5 7.5
	500/690V	kW	7.5 7.5
Single-phase AC23A	J00/030 V	IXVV	1.0
Silligio pilaso AO23A	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7
Rated operational current in DC			_



electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**

	DC21A			
	552	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 ⁶
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

IP00



electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

Terminals IP degree

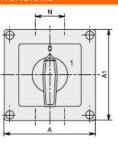
max °C +70

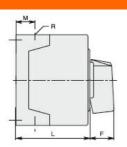
Resistance & Protection

Frontal IP degree

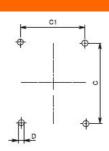
IP65

Dimensions



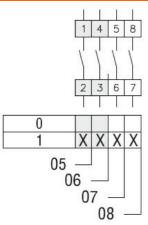






Carias	Enclosure size	Number o	f elements	Dimensions								Cable	Protection		
Series		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	0		0.000	100000	10000000	2000	100000				200000000000000000000000000000000000000	
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			3,500				31-3-3					31-30.3-3-17
7GN40		1	2 - 3												
7GN12	110x110	1-4	5 - 8							1	-				
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	417421	11.00
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	11-00
7GN125		1	2												
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	76	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





electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 2 POLES 20A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

ENERGY AND AUTOMATION

ETIM 8.0

EC001105 - Off-load switch