

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			91 - 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			
	IEC/EN	Α	20
	UL/CSA	A	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	401.4	۸	20
	10kA 15kA	A	20 16
	25kA	A A	16
Rated short time current lcw	ZUKA		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)	1.147	0.0
	110V	kW	0.8
	220/230V	kW	2.2
Three phase AC22A	380/440V	kW	3
Three-phase AC23A	220/230V	kW	5
	380/440V	kW	7.5
	500/690V	kW	7.5 7.5
Single-phase AC23A	000/000 V	17.4.4	
Single phase / (025/)	110V	kW	0.8
	220/230V	kW	2.5
	380/440V	kW	3.7
Rated operational current in DC			



**ENERGY AND AUTOMATION** 

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

Г	$\sim$	2	1	1

	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	A	0.6
		440V	A	0.25
	DC024 (nales in series)	440 V	A	0.25
	DC23A (poles in series)	0.41/	۸	00 (4)
		24V	Α	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	A	0.15
Power dissipation		4401	W	0.8
Mechanical features			VV	0.0
Terminals screw				M3
	rminala may		Nm	0.5
Tightening torque for te	IIIIIIdis IIIdx		INIII	0.5
Conductor size				
	AWG - Rigid cable			
		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) - Pigid cable	IVIOX		2.0
	Conductor size (IEC) - Rigid cable	min	mm2	0.5
		min	mm²	0.5
NA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		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			
	operating temperature	min	°C	-25
			°C	+55
	Ctorogo tomporoturo	max		TUU
	Storage temperature		0.0	40
		min	°C	-40



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

**ENERGY AND AUTOMATION** 

max °C +70

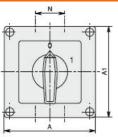
Resistance	& Protection

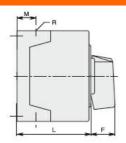
Frontal IP degree IP65

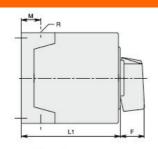
Terminals IP degree

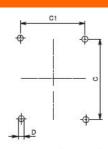
IP00

## Dimensions



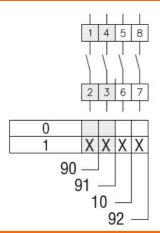






Series	Enclosure	Number o	f elements	Dimensions							Cable	Protection			
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	Protection degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000	10000000	2407.0	100000				2007.075340.004.000000	10000000000000000000000000000000000000
7GN25	1	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	100001	2000.0	53.905	19900	3.33.000.0	504551	2500		100000000000000000000000000000000000000	0000000	311.0-2000000	9500000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25	1	1-3	4 - 5	440	440	00.4	83	4.5	32	04	20.5	05.5	1105	40004	IDCE
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		1-2	3 - 4	405	475	440	440		-00	0.4	-00	040	4400	4xPG21	IDOE
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6-8												
7GN40		1 - 4	5 - 7	100	054	100	100		200	25	70	101	175	4xPG29	IDOC
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





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

EC001029 -Selector switch, complete