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



Product designation			Rotary cam switches
Product type designation			7GN20
General characteristics			
Switching diagram			92 - ON/OFF switch 4 poles
N° of elements			2
			P - Plastic
Mounting form			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			
	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)	10kA	۸	20
	15kA	A A	20 16
	25kA	A	16
Rated short time current Icw	ZJKA		10
rated short time outlent low	1s	Α	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	A	6
Participant of the AC	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3	000/0001	12147	2
	220/230V 380/440V	kW kW	3 5.5
	500/440V 500/690V	kW	5.5 5.5
Single-phase AC-3	300/030 V	IVVV	0.0
Olligio plaso AO o	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			
·	220/230V	kW	5



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		380/440V	kW	7.5
		500/440V	kW	7.5
	Single-phase AC23A	300/030 V	IX V V	7.5
	Single-phase AC23A	4401/	1.1.1.7	0.0
		110V	kW	0.8
		220/230V	kW	2.5
		380/440V	kW	3.7
Rated operational curre				
	DC21A			
		48V	Α	20
		60V	Α	20
		110V	Α	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)	7701	- / \	0.20
	DC23A (poles in series)	0.417	٨	20 (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	A	12
		110V	A	1
		220V		0.4
			A	
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
	erminals max		Nm	M3 0.5
Terminals screw	erminals max		Nm	
Terminals screw Tightening torque for te			Nm	
Terminals screw Tightening torque for te	erminals max AWG - Rigid cable	min		0.5
Terminals screw Tightening torque for te		min Max	AWG	20
Terminals screw Tightening torque for te	AWG - Rigid cable	min Max		0.5
Terminals screw Tightening torque for te		Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for te	AWG - Rigid cable	Max min	AWG AWG	20 12 20
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max	AWG AWG	0.5 20 12
Terminals screw Tightening torque for te	AWG - Rigid cable	Max min Max	AWG AWG AWG	20 12 20 14
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	20 12 20 14 0.5
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max	AWG AWG AWG	20 12 20 14
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable	Max min Max min	AWG AWG AWG AWG	20 12 20 14 0.5
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG AWG	20 12 20 14 0.5
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for te	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for te Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5 0.5
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for te Conductor size Mechanical life	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG AWG mm² mm²	0.5 20 12 20 14 0.5 2.5
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG Mm² mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5 10
Terminals screw Tightening torque for te Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG AWG mm² mm² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5



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Ambient conditions

Temperature

Operating temperature

	min	$^{\circ}C$	-25
	max	°C	+55
Other services to the service services			

Storage temperature

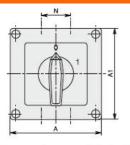
min	°C	-40
max	°C	+70

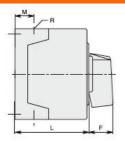
Resistance & Protection

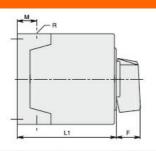
Frontal IP degree IP65

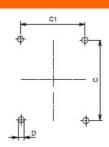
Terminals IP degree IP00

Dimensions



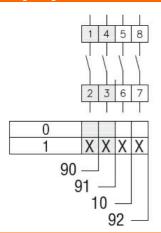






Carias	Enclosure	Number of	f elements	Dimensions					H.C.	Cable	Protection				
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20]	1-3	4 - 6	0.000	14000		2000			20000		1-3770-20			
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												
7GN40		1	2-3												
7GN12	110x110	1 - 4	5 - 8												270
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	05.5	119.5	471.021	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	0.010-0500.00 0-000.00 V	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												
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	1100
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