

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE



Product designation			Enclosed rotary
•			cam switch
Product type designation			7GN32
General characteristics			00 ON/OFF
Switching diagram			03 - ON/OFF spring return
Switching diagram			switch 3 poles
N° of elements			2
			P - Plastic
Mounting form			enclosure with
October 1 control of the			black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	17	000
	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp	UL/CSA	kV	6
Conventional free air thermal current Ith		K V	0
Conventional free all thermal current firm	IEC/EN	Α	32
	UL/CSA	Α	40
Rated operational voltage	02,00,1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
,	10kA	Α	32
	15kA	Α	32
	25kA	Α	32
	50kA	Α	32
Rated short time current lcw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	20
AC45		A	32
AC15	110V	Α	25
	220/230V	A	20
	380/400V	A	10
	660/690V	Α	2
Rated operational power in AC			
Three-phase AC-3			
·	220/230V	kW	7.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC-3			
	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	6.5



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	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	18.5
	Single-phase AC23A			
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Rated operational cu	irrent in DC	000/1101	1000	7.0
rated operational of	DC21A			
	D021/1	48V	Α	32
		60V	A	32
		110V	A	6
		220V		0.9
	DOOM (nales in series)	2201	A	0.9
	DC23A (poles in series)	0.41/	Δ.	00 (4)
		24V	Α	32 (1)
		48V	Α	32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	Α	16
		110V	Α	3
		220V	Α	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for	r terminals max		Nm	1.2
Conductor size				·· -
2 2	AWG - Rigid cable			
2 3	AWG - Rigid cable	min	V/VC	16
22330.0. 0.20	AWG - Rigid cable	min Max	AWG	16
2323		min Max	AWG AWG	16 8
23.1 .2.2.3.1. 0.2.0	AWG - Rigid cable AWG - Flexible cable	Max	AWG	8
23.1443.31 3.2 3		Max min	AWG	16
23 3.2.3.	AWG - Flexible cable	Max	AWG	8
23.12.2.3. 0.20		Max min Max	AWG AWG AWG	16 10
23.12.2.3. 0.20	AWG - Flexible cable	Max min Max min	AWG AWG AWG	16 10 1.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	16 10 1.5 4
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG	16 10 1.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 4
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm²	16 10 1.5 4
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm²	16 10 1.5 4
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm²	16 10 1.5 4
Mechanical life UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm²	8 16 10 1.5 4 1.5 6
Mechanical life UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG mm² mm² mm²	16 10 1.5 4 1.5 6 5x10 ⁶
Mechanical life UL technical data	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 cycles	8 16 10 1.5 4 1.5 6 5x10 ⁶
Mechanical life UL technical data	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 mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 ⁶
Mechanical life UL technical data	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 mm² mm² cycles HP HP	16 10 1.5 4 1.5 6 5x10 ⁶ 5 10
Mechanical life UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable cct-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 ⁶
Mechanical life UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP	8 16 10 1.5 4 1.5 6 5x10 ⁶ 5 10 15 15
Mechanical life UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable cct-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm² mm² cycles HP HP	16 10 1.5 4 1.5 6 5x10 ⁶ 5 10



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Ambient conditions

Temperature

Operating	temperature
Operaning	tomporataro

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

Storage temperature

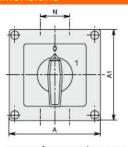
min	°C	-40
max	°C	+70

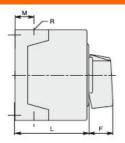
Resistance & Protection

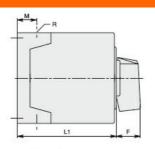
Frontal IP degree IP65

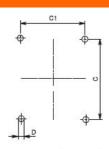
Terminals IP degree IP00

Dimensions



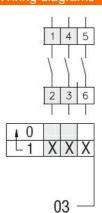






Series	Enclosure	Number o	f elements	Dimensions							Cable	Protection			
Series	size	L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1 - 2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	00.000		0.000	100000	100000000	2400	100000				200000000000000000000000000000000000000	
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							37-33					30-30-30-77
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	00	4.5	32	21	39.3	05.5	119.5	471.021	11.02
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	30.2000.00000	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	234	120	190	5.5	32	33	70	121	1/5	2xPG11	1100
7GN125		1 - 2	3 - 4												

Wiring diagrams



Certifications and compliance

Compliance



7GN3203P

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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

EC001029 -Selector switch, complete