electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 63A IN PLASTIC ENCLOSURE 125X175MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**



		Enclosed rotary
Product designation		cam switch
Product type designation		7GN63
General characteristics		
Switching diagram		10 - ON/OFF switch 3 poles
N° of elements		2
Mounting form		P25 - Plastic enclosure with red/yellow handle
Contact characteristics		·
Rated insulation voltage Ui		
IEC/ UL/O		690 600
Rated impulse withstand voltage Uimp	kV	6
Conventional free air thermal current Ith		_
IEC/	EN A	63
UL/C	SA A	60
Rated operational voltage	V	480
Rated operational impulse voltage	kV	4
Maximum fuse size for short-circuit protection In (gG)		
	kA A	63
Rated short time current lcw	kA A	63
Nateu Short time current icw	1s kA	1600
Conductivity	13 KA	10/5 mA/V
Operational current le IEC/EN		10/0 111/4 4
AC1/AC21A		
, , , , , , , , , , , , , , , , , , ,	Α	63
AC15		
	OV A	32
220/23	OV A	25
380/40	OV A	15
660/69	OV A	4
Rated operational power in AC		
Three-phase AC-3		
220/23		11
380/44		18.5
500/69	0V kW	18.5
Single-phase AC-3	0)/	0.7
	0V kW	3.7
220/23		6.5
380/44	0V kW	11.5



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	Three-phase AC23A			
	·	220/230V	kW	12.5
		380/440V	kW	30
		500/690V	kW	30
	Single-phase AC23A	000/0001	1000	
	olligic phase A025A	110V	kW	3.7
		220/230V	kW	7.5
D ()	1: D0	380/440V	kW	12.5
Rated operational curre				
	DC21A		_	
		48V	Α	63
		60V	Α	50
		110V	Α	8
		220V	Α	1
	DC23A (poles in series)			
	,	24V	Α	50 (1)
		48V	Α	50 (2)
		60V	A	50 (3)
		110V	A	25 (3)
		220V	A	15 (4)
	DC13	2201		10 (7)
	DOTO	24V	٨	63
			A	
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for te	erminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
	AWG - Rigid cable	min	AWG	14
	AWG - Rigid cable			
		min Max	AWG AWG	14 6
	AWG - Rigid cable AWG - Flexible cable	Max	AWG	6
		Max min	AWG	14
	AWG - Flexible cable	Max	AWG	6
		Max min Max	AWG AWG AWG	14 8
	AWG - Flexible cable	Max min Max min	AWG AWG AWG	14 8 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	14 8
	AWG - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	14 8 2.5 10
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	14 8 2.5 10 2.5
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
Mechanical life	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	14 8 2.5 10 2.5
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	6 14 8 2.5 10 2.5 16
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 mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² mm² mm²	14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	Max min Max min Max min Max	AWG AWG AWG mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	Max min Max min Max min Max 120V 240V	AWG AWG AWG mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5
UL technical data	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 mm² mm² cycles HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable con-line control	min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² cycles HP HP HP HP	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25
UL technical data	AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable on-line control for three-phase motor	min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm² mm² mm² cycles	14 8 2.5 10 2.5 16 5x10 ⁶ 7.5 15 25 25



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Temperature

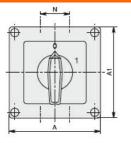
Operating temperature

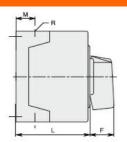
	min	°C	-25	
	max	°C	+55	
Storage temperature				
	min	°C	-40	
	max	°C	+70	

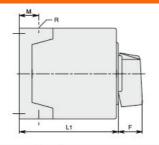
Resistance & Protection

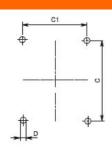
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions



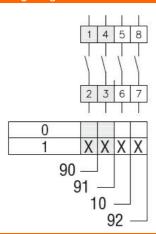






Carias	Enclosure	Number o	f elements	Dimensions								Cable	Protection		
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	0.000		0.00	100000	10000000	2000	100000				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												
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	00.0	119.5	47.5021	11.02
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												100
7GN40	2	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							N.	L.			N.	
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	16	121	1/5	2xPG11	100
7GN125		1-2	3 - 4	z.											

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1



7GN6310P25

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IEC/EN/BS 60947-3 IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete