

electric ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 3 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE **ENERGY AND AUTOMATION**

Product type designation 7GN40 General characteristics 07 - 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/EN V 690 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 QUL/CSA A 50 Rated operational voltage kV 4 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 40 40 40 15kA A 40 <td< th=""></td<>
Switching diagram switch 3 poles N° of elements 2 Mounting form P25 - Plastic enclosure with red/yellow handle Contact characteristics Rated insulation voltage Ui IEC/EN UL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 LIEC/EN A 50 A 50 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 40 25kA A 40 40 63kA A 40 50kA A 40 63kA A 40 63kA A 40 Conductivity 10/5 mA/V Operational current le IEC/EN A 40 AC1/AC21A A 40 AC1/AC21A A 40 AC1/BC21A A 25 AC1/AC21A A 25 AC1/AC21A A 25 AC1/AC21A A 25 AC1/AC21A A 25
Mounting form P25 - Plastic enclosure with red/yellow handle
Mounting form enclosure with red/yellow handle Contact characteristics Rated insulation voltage Ui IEC/EN UL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 LIC/CSA A 50 S0 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 40 25kA A 40 40 25kA A 40 40 25kA A 40 40 63kA A 40 40 Conductivity 1s kA 1000 Conductivity 10/5 mA/V Operational current le IEC/EN A 40 AC1/AC21A A 40 AC15 A 40 110V A 25 220/230V A 22
Contact characteristics Rated insulation voltage Ui IEC/EN UL/CSA V 690 UL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 UL/CSA A 50 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 40 40 40 40 40 40 40 40 40 40 40 40
IEC/EN V 690 UL/CSA V 600 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN
Rated impulse withstand voltage Uimp
Rated impulse withstand voltage Uimp
Conventional free air thermal current lth
Nated operational voltage V
Rated operational voltage N
Rated operational impulse voltage kV 4
Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 25kA A 40 50kA A 40 63kA A 40 Rated short time current Icw 1s kA 1000 Conductivity 10/5 mA/V Operational current Ie IEC/EN AC1/AC21A AC15 110V A 25 220/230V A 22
10kA A 40 15kA A 40 25kA A 40 25kA A 40 40 40 40 40 40 40
15kA
25kA
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Rated short time current lcw 1s kA 1000 Conductivity Operational current le IEC/EN AC1/AC21A AC15 110V A 25 220/230V A 22
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AC1/AC21A A 40 AC15 110V A 25 220/230V A 22
A 40 AC15 110V A 25 220/230V A 22
AC15 110V A 25 220/230V A 22
110V A 25 220/230V A 22
220/230V A 22
660/690V A 2
Rated operational power in AC
Three-phase AC-3
220/230V kW 8
380/440V kW 15
500/690V kW 15
Single-phase AC-3
110V kW 3
220/230V kW 6.5
Three-phase AC23A
220/230V kW 8
380/440V kW 18.5
500/690V kW 22
Single-phase AC23A
110V kW 3
220/230V kW 6



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		380/440V	kW	11
Rated operational curr	ent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			4-1
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
	DC42	220V	Α	12 (4)
	DC13	24V	۸	40
		48V	A A	32
		60V		
		110V	A A	16 3
Power dissipation		1100	 W	2.0
Mechanical features			v v	2. 0
Terminals screw				M4
Tightening torque for to	erminals max		Nm	1.2
Conductor size	erriiraio max		14111	1.2
Conductor GIZO	AWG - Rigid cable			
	71110 Trigid Gabie	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	<u></u>		
	,	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			_
	, , , -	min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct	-on-line control			
	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70



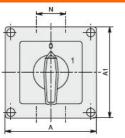
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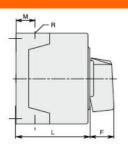
ENERGY AND AUTOMATION

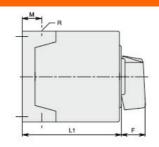
Resistance & Protection

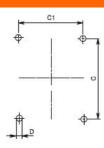
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions



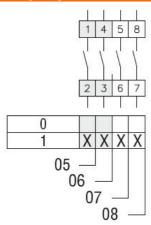






Series Enclosur		Number o	f elements	Dimensions						Cable	Protection				
Series	size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20		1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	94,000	1000	0000	10000	9800000	46250	10000	1000		1000000	200 12 12 12 12 12 12 12	1000000000
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	4.0	02		00.0	00.0	110.0	TAI GET	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	120	170	140	1112	0.0	02		00	04.0	110.0	2xPG11	11 00
7GN125		1	2												
7GN32	180x254	1 - 5	6-8												
7GN40	1	1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63	1	1 - 3	4 - 6	,50	234	1.20		0.0	52	50		,,,,,		2xPG11	50
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





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ETIM 8.0

EC001029 -Selector switch, complete