

7GN4094P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 3 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation Enclosed rotary can switch Product type designation 7GN40 General characteristics 94 - Multi-step 1- -2:3-4 3 poles N° of elements 6 Mounting form enclosure with black handle Contact characteristics v Rated insulation voltage Ui IEC/EN V Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 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 25kA A 40 25kA A 40 25kA A 40 Conductivity 10/5 mA/V 00 10/5 mA/V 00 Operational current le IEC/EN A 40 40 Conductivity 10/
General characteristics 94 - Multi-step 1- 2-3-4 3 poles N° of elements 6 Mounting form P - Plastic enclosure with black handle Contact characteristics 8 Rated insulation voltage Ui IEC/EN V 690 UL/CSA V 600 6 Conventional free air thermal current Ith IEC/EN A 40 UL/CSA V 600 6 Rated operational voltage V 480 6 Rated operational impulse voltage V 480 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 25kA A 40 Quert Ide 10kA A 40 15kA A 40 15kA A 40 25kA A 40 25 Operational current Icw 1s kA 1000 10/5 mA/V Operational current Ie IEC/EN A 40 40 40 10/5 mA/V 00/5 mA/V 10/5 mA/V 10/5 mA/V
Switching diagram 94 - Multi-step 1- 2-3-4 3 poles N° of elements 6 Mounting form P - Plastic enclosure with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V Quit/CSA V Contact characteristics Rated insulation voltage Uimp V 600 Conventional free air thermal current Ith IEC/EN A 40 UL/CSA A 50 Rated operational voltage V 480 Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 10kA A 40 Step a A A 40 Operational current Icw IEC/EN A 40 Conductivity Operational current Ic/EN IConductivity
Switching diagram 2-3-4 3 poles N° of elements 6 Mounting form P - Plastic enclosure with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V Quick State insulation voltage Uimp KV Contact characteristics Rated insulation voltage Uimp KV Conventional free air thermal current lth IEC/EN A Contact characteristics Rated operational voltage Uimp KV Conventional free air thermal current lth IEC/EN A Rated operational voltage V 480 Rated operational impulse voltage KV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 40 SokA A 40 SokA A 40 SokA A 40 Conductivity Operational current le IEC/EN <t< td=""></t<>
Mounting form P - Plastic 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 A 40 Rated operational voltage V 480 Rated operational impulse voltage V 480 Rated operational woltage for short-circuit protection In (gG) 10kA A 40 15kA A 40 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 25kA A 40 Rated short time current Icw 1s kA 1000 10/s mA/V Operational current le IEC/EN A 40 40 AC1/AC21A A 40 40 AC15 110V A 25
Mounting form enclosure with black handle Contact characteristics IEC/EN V 690 Rated insulation voltage Ui IEC/EN V 600 Rated impulse withstand voltage Uimp kV 6 6 Conventional free air thermal current Ith IEC/EN A 40 Rated operational voltage V 480 8 Rated operational impulse voltage V 480 8 Rated operational impulse voltage V 480 8 Rated operational impulse voltage V 4 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 25kA A 40 Rated short time current Icw 1s kA 1000 10/5 mA/V Operational current le IEC/EN A 40 40 40 AC1/AC21A A 40 40 40 AC15 110/V A 25 40
black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 690 UL/CSA V 600 Rated insulation voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 UL/CSA 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 15kA A 40 25kA A 40 Rated short time current Icw 1s kA 1000 Conductivity 1s kA 1000 Conductivity 10/5 mA/V Operational current le IEC/EN 40 AC15 110V A 25
IEC/EN V 690 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 voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 40 15kA A 40 25kA A 40 25kA A 40 15kA A 40 1000 50kA A 40 40 40 40 25kA A 40 50kA A 40 40 Conductivity 1s kA 1000 63kA 40 Operational current Icw 1s kA 1000 40 Ac1/Ac21A A 40 40 40 Ac15 110V A 40 40
IEC/EN V 690 Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 40 UL/CSA A 50 8 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 25kA A 40 25kA A 40 50kA A 40 15kA A 40 50kA A 40 25kA A 40 50kA A 40 Conductivity 1s kA 1000 00 Conductivity 10/5 mA/V 00 00 00 Conductivity 10/5 mA/V 00 00 0 AC1/AC21A A 40 40 40 AC15 110V A 25 40
$\begin{tabular}{ c c c c c c } \hline UL/CSA & V & 600 \\ \hline \hline Rated impulse withstand voltage Uimp & kV & 6 \\ \hline \hline Conventional free air thermal current lth & & & & & & & & & & & & & & & & & & &$
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 15kA A 40 25kA A 40 Rated short time current Icw 1s kA 40 Rated short time current Icw 1s kA 1000 Conductivity 10/5 mA/V 10/5 mA/V Operational current I EIC/EN A 40 AC1/AC21A A 40 AC15 110V A 25
Conventional free air thermal current lth 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 15kA A 40 25kA A 40 25kA A 40 63kA A 40 63kA A 40 63kA A 40 Conductivity 1s kA 1000 10/5 mA/V Operational current le IEC/EN A 40 40 AC1/AC21A A 40 40 AC15 110V A 25
$\begin{array}{c c c c c c c c c c c } & A & 40 \\ \hline UL/CSA & A & 50 \\ \hline \hline Rated operational impulse voltage & V & 480 \\ \hline \hline Rated operational impulse voltage & kV & 4 \\ \hline \hline Maximum fuse size for short-circuit protection ln (gG) & & & \\ \hline 10kA & A & 40 \\ 15kA & A & 40 \\ 25kA & A & 40 \\ 25kA & A & 40 \\ 50kA & A & 40 \\ \hline \\ S0kA & A & 40 \\ \hline \hline \\ Rated short time current lcw & & & \\ \hline \hline \\ \hline \hline \\ Conductivity & & 10/5 mA/V \\ \hline \hline \\ Operational current le IEC/EN & & & \\ AC1/AC21A & & A & 40 \\ \hline \\ \hline \\ \hline \\ \hline \\ AC15 & & \\ \hline \\ 110V & A & 25 \\ \hline \end{array}$
$\begin{array}{c c c c c c c } UL/CSA & A & 50 \\ \hline Rated operational impulse voltage & V & 480 \\ \hline Rated operational impulse voltage & kV & 4 \\ \hline Maximum fuse size for short-circuit protection ln (gG) & & & & & & & & & & & & & & & & & & &$
Rated operational voltage V 480 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 40 15kA A 40 25kA A 40 25kA A 40 63kA A 40 Rated short time current lcw 1s kA 1000 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 40 AC1/AC21A A 40 AC15 110V A 25
Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection ln (gG) 10kA A 40 15kA A 40 25kA A 40 50kA A 40 63kA A 40 Conductivity 1s kA 1000 Conductivity 10/5 mA/V Operational current letter 10/5 mA/V AC1/AC21A A 40 AC15 110V A 25
Maximum fuse size for short-circuit protection ln (gG)10kAA4015kAA4025kAA4025kAA4050kAA4063kAA40Conductivity1skA10/5 mA/VOperational current le IEC/ENAC1/AC21AA 40AC15110VA25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
15kA A 40 25kA A 40 25kA A 40 50kA A 40 63kA A 40 Rated short time current lcw Is kA Operational current le IEC/EN AC1/AC21A A 40 AC15 110V A
$ \begin{array}{c cccc} 50 \text{kA} & \text{A} & 40 \\ \hline 63 \text{kA} & \text{A} & 40 \\ \hline \\ \hline \text{Rated short time current lcw} & & & & \\ \hline \\ \hline \text{Rated short time current lcw} & & & & \\ \hline \\ \hline$
63kA A 40 Rated short time current lcw 1s kA 1000 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN AC1/AC21A 40 AC15 110V A 25
Rated short time current lcw 1s kA 1000 Conductivity 10/5 mA/V Operational current le IEC/EN 40 AC1/AC21A A 40 AC15 110V A 25
1s kA 1000 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A 40 AC15 110V A 25
Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A AC15 110V
Operational current le IEC/EN AC1/AC21A AC15 110V A 25
AC1/AC21A A 40 AC15 110V A 25
A 40 AC15 110V A 25
AC15 110V A 25
110V A 25
220/230V A 22
380/400V A 12
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 6.5 380/440V kW 8
380/440V kW 8
380/440V kW 8 Three-phase AC23A 220/230V kW 8 380/440V kW 18.5 500/690V kW 22
380/440V kW 8 Three-phase AC23A 220/230V kW 8 380/440V kW 18.5 500/690V kW 22 Single-phase AC23A 22
380/440V kW 8 Three-phase AC23A 220/230V kW 8 380/440V kW 18.5 500/690V kW 22

7GN4094P

7GN4094P



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		000/4401/	1.147	
Dated aparational aut	reat in DC	380/440V	kW	11
Rated operational cur				
	DC21A	48V	А	40
		48V 60V	A	40
		110V	A	6
		220V	A	0.9
	DC23A (poles in series)	2201	7.	0.0
		24V	А	40 (1)
		48V	A	40 (2)
		60V	А	40 (3)
		110V	А	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	А	32
		60V	А	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	terminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
	Organization size (IEO) Elevitele coble	Max	AWG	10
	Conductor size (IEC) - Flexible cable			4 5
		min Max	mm² mm²	1.5
	Conductor size (IEC) - Rigid cable	IVIAX	111111	6
		min	mm²	1.5
		Max	mm²	10
Mechanical life		Max	cycles	5x10 ⁶
UL technical data			0yolco	0,10
Motor power for direc	t-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

7GN4094P

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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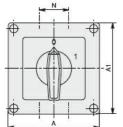
ENERGY AND AUTOMATION

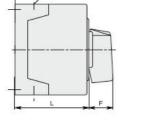
Resistance & Protection

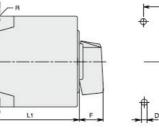
Frontal IP degree

Terminals IP degree

Dimensions





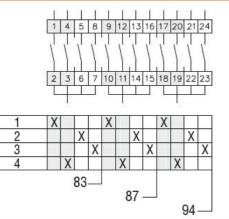


IP00

IP65

	Enclosure	Number o	f elements					Dime	nsions					Cable	Protection
Series	size	L	L1	A	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	2000	1000		192.55	35252	45254	1992.01	2422				100000-000
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	50.4	00	4.5	52	21	00.0	00.0	110.0	471 021	1100
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	125	175	140	112	0.0	52	21	00	04.0	110.5	2xPG11	1105
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	1 - 3	4 - 6	100	2.54	120	130	0.0	52	55	10	121	1/5	2xPG11	105
7GN125		1-2	3 - 4												

Wiring diagram



Certifications and compliance

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

ETIM classification

7GN4094P

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7GN4094P



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ETIM 8.0

EC001029 -Selector switch, complete