

7GN4083P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 1-2-3-4, 1 POLE 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation				Enclosed rotary cam switch	
Product type designat	ion			7GN40	
General characteristic	S				
Switching diagram			83 - Multi-step 1- 2-3-4 1 pole		
N° of elements				2	
Mounting form				P - Plastic enclosure with black handle	
Contact characteristic	S				
Rated insulation voltage	ge Ui				
		IEC/EN	V	690	
		UL/CSA	V	600	
Rated impulse withsta			kV	6	
Conventional free air t	hermal current Ith				
		IEC/EN	A	40	
Rated operational volt		UL/CSA	A V	50 480	
Rated operational imp			kV	400	
	r short-circuit protection In (gG)		ΝV	4	
	short offour protocilor in (gC)	10kA	А	40	
		15kA	A	40	
		25kA	А	40	
		50kA	А	40	
		63kA	А	40	
Rated short time curre	ent Icw				
		1s	kA	1000	
Conductivity				10/5 mA/V	
Operational current le					
	AC1/AC21A		٨	40	
	AC15		A	40	
	ACTS	110V	А	25	
		220/230V	A	22	
		380/400V	A	12	
		660/690V	A	2	
Rated operational pov	ver 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	380/440V	kW	8	
	mee-phase AOZSA	220/230V	kW	8	
		380/440V	kW	18.5	
		500/690V	kW	22	
	Single-phase AC23A				
	. .	110V	kW	3	
		220/230V	kW	6	

7GN4083P

ENERGY AND AUTOMATION

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Back doperational current in DC DC21A KW 11 All of the second secon			000/4401/	1.3.47	44
DC21A 48V A 40 110V A 6 220V A 0.9 DC23A (poles in series) 24V A 40 (1) 48V A 40 (2) 60V A 40 (3) 100V A 20 (3) 220V A 10 (3) DC13 24V A 40 48V A 40 Methanical features Terminals screw M4 16 100V A 3 Power dissipation WK - Rigid cable M4 12 40 40 Methanical features Max MMG 16 100V A 3 Power dissipation MW - Rigid cable Min AWG 16 Max M4 12 Conductor size (IEC) - Flexible cable min MWG 16 Max M4 16 Max MMG 16 16 16 16 16 16 10 10 10 10 16	Poted operational of	urrent in DC	380/440V	kW	11
48V A 40 60V A 40 110V A 6 220V A 0.9 DC23A (poles in series) 24V A 40 (1) 48V A 40 (2) 60V A 40 (2) 60V A 40 (3) 10V A 20 (2) DC13 24V A 40 48V A 32 20V A 12 (4) A 40 48V A 32 DC13 24V A 40 48V A 32 60V A 16 10V A 3 Power dissipation WG Nm 1.2 Conductor size Terminals screw MM MM 16 MM MM 8 AVG - Rigid cable min MWG 16 MM MM 10 Conductor size (IEC) - Flexible cable min mm² 1.5 MM 10	Rated operational cu				
60V A 40 110V A 6 220V A 0.9 60V A 40 (1) 48V A 40 (2) 60V A 40 (3) 110V A 20 (3) 20V A 40 (3) 110V A 20 (3) 20V A 40 (3) 110V A 20 (3) 20V A 40 (3) 48V A 3 Power dissipation W 2.0 Mechanical features W 2.0 Teminals screw M4 Tightening torque for terminals max Nm 1.2 Conductor size MG - Rigid cable Mix Mix AWG 16 Max MWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 Max MWG 10 Conductor size (IEC) - Rigid cable min mm² 1.5 Max m		DCZTA	40\/	۸	40
$\begin{tabular}{ c c c c c c } \hline 10V & A & 6 \\ \hline 220V & A & 0.9 \\ \hline 220V & A & 0.9 \\ \hline 220V & A & 0.9 \\ \hline 220V & A & 0.0 \\ \hline 220V & A & 40 (1) \\ \hline 48V & A & 40 (2) \\ \hline 60V & A & 40 (3) \\ \hline 110V & A & 20 (3) \\ \hline 220V & A & 12 (4) \\ \hline DC13 & & & & & & & & & & & & & & & & & & &$					
Image: series biology 220V A 0.9 DC23A (poles in series) 24V A 40 (1) 48V A 40 (2) 60V A 40 (2) 60V A 20 (3) 110V A 20 (3) 220V A 12 (4) A 40 (2) DC13 24V A 40 48V A 32 60V A 16 110V A 32 60V A 16 110V A 3 20 Mathing Mathing Mathing Power dissipation W 2.0 Mathing Mat					
DC23A (poles in series) 24V A 40 (1) 48V A 40 (2) 60V A 40 (2) 60V A 40 (3) 110V A 20 (3) 220V A 12 (4) A 40 DC13 24V A 40 48V A 32 60V A 16 10V A 3 20 A 32 60V A 16 10V A 3 Power dissipation W 2.0 Mcchanical features W A 3 Terminals screw MM Tightering torque for terminals max Nm 1.2 Conductor size Conductor size AWG - Rigid cable Max AWG 16 Max MWG 16 Max MWG 16 Max mm ² 1.5 Max mm ² 1.5 Conductor size (IEC) - Rigid cable min mm ² 1.5 Max					
24V A 40 (1) 48V A 40 (2) 60V A 40 (3) 110V A 20 (3) 220V A 12 (4) DC13 24V A 40 48V A 32 60V A 16 10V A 32 60V A 16 110V A 32 60V A 16 110V A 32 60V A 16 110V A 3 Power dissipation W 2.0 Mechanical features W 2.0 Mechanical features M 12 Conductor size MWG - Rigid cable M 110 Mix MWG 16 Max MWG 10 10 Conductor size (IEC) - Rigid cable min mm ² 1.5 Max mm ² 10 <td< td=""><td></td><td>DC23A (poles in series)</td><td>2201</td><td>73</td><td>0.0</td></td<>		DC23A (poles in series)	2201	73	0.0
$ \frac{48^{\vee} & A & 40 (2) \\ 60^{\vee} & A & 40 (3) \\ 10^{\vee} & A & 20 (3) \\ 220^{\vee} & A & 12 (4) \\ \hline DC13 & 24^{\vee} & A & 40 \\ 48^{\vee} & A & 32 \\ 60^{\vee} & A & 16 \\ 110^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ 110^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ 110^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 10^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 00^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 16 \\ \hline 00^{\vee} & A & 3 \\ \hline 00^{\vee} & A & 40 \\ \hline 00^{\vee} & A & 3 \\ \hline 00^{\vee} & A & A & 3 \\ \hline 00^{\vee} & A & A & 3 \\ \hline 00^{\vee} & A & A & 3 \\ \hline 00^{\vee} & A & A & A & 3 \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A & A \\ \hline 00^{\vee} & A & A \\$			24V	А	40 (1)
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DC13 24V A 40 48V A 32 60V A 16 110V A 3 Power dissipation W 2.0 Mechanical features M4 Terminals screw M4 Tightening forque for terminals max Nm 1.2 Conductor size AWG - Rigid cable Max AWG - Flexible cable min AWG AWG - Flexible cable min AWG Conductor size (IEC) - Flexible cable min mm² Conductor size (IEC) - Flexible cable min mm² Max mm² 1.5 Max mm² 1.0 Conductor size (IEC) - Rigid cable min mm² Motor power for direct-on-line control for st10* for three-phase motor 120V HP 5 120V HP 2 24VV HP 2 for single-phase motor 120V HP 2 24VV			220V	А	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		DC13			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			24V	А	40
$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $			48V	А	32
Power dissipation W 2.0 Mechanical features M4 Terminals screw M4 Conductor size Nm 1.2 AWG - Rigid cable min AWG 8 AWG - Flexible cable min AWG 16 Max AWG 10 16 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 1.5 Max mm² 6 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 1.5 Max mm² 1.0 Max mm² 1.5 Max mm² 1.0 Mechanical life cycles 5x10° U U terchnical data ucycles 5x10° Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 20 600V HP 20 600V HP 20 600V HP 20 600V HP 20 <td></td> <td></td> <td>60V</td> <td>А</td> <td>16</td>			60V	А	16
Mechanical features M4 Terminals screw M4 Tightening torque for terminals max Nm 1.2 Conductor size AWG - Rigid cable min AWG 16 Max AWG 8 AWG 16 AWG - Flexible cable min AWG 16 Max AWG 10 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 10 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 1.5 10 10 Mechanical life cycles 5x10° 10 UL technical data cycles 5x10° 10 Motor power for direct-on-line control for three-phase motor 120V HP 5 Ambient conditions 120V HP 2 240V HP 2 for single-phase motor 120V HP 2 240V HP 5 Ambient conditions max "C -25 240V HP 5			110V	А	3
Terminals screw M4 Tightening torque for terminals max Nm 1.2 Conductor size AWG - Rigid cable min AWG 16 Max AWG 16 Max AWG 16 AWG - Flexible cable min AWG 16 Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 1.5 Max mm² 1.5 Max mm² 1.5 VL technical data cycles 5x10° UL 1.6 480V HP 20 600V HP 2				W	2.0
Tightening torque for terminals max Nm 1.2 Conductor size AWG - Rigid cable min AWG 16 Max AWG 16 Max AWG 10 AWG - Flexible cable min AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 Max mm² 6 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 10 cycles 5x10° Ut technical life cycles 5x10° cycles Ut technical data mm² 1.5 Max mm² 1.5 Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 10 480V HP 20 Gool W HP 20 600V HP 20 Gool W HP 20 240V HP 5 Ambient conditions 120V HP 2 240V HP 5 Ambient conditions 120V HP 5 3 3 3 3 Temperature Operating tempe					
Conductor size AWG - Rigid cable min AWG 16 Max AWG 8 AWG - Flexible cable min AWG 16 Max AWG 10 0 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 0 0 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 1.5 0 0 Mechanical life cycles 5x10° 0 UL technical data min mm² 1.5 Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 10 480V HP 20 for single-phase motor 120V HP 2 240V HP 2 for single-phase motor 120V HP 2 240V HP 5 Ambient conditions min °C -25 240V HP 5 Ambient conditions min °C -25 5 5 <					
$\begin{tabular}{ c c c c } & AWG & Rigid cable & & & & & & & & & & & & & & & & & & &$	Tightening torque for	r terminals max		Nm	1.2
$\begin{tabular}{ c c c c c } \hline min & AWG & 16 & & & & & & & & & & & & & & & & & $	Conductor size				
$\begin{tabular}{ c c c c } \hline Max & AWG & 18 \\ \hline AWG & Flexible cable & & & & & & & & & & & & & & & & & & &$		AWG - Rigid cable			
AWG - Flexible cable min AWG 16 Max AWG 10 Conductor size (IEC) - Flexible cable min mm² 1.5 Max mm² 6 6 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 1.5 Max mm² 10 Mechanical life cycles 5x10° 0 0 UL technical data cycles 5x10° 0 0 Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 20 600V HP 20 600V HP 20 600V HP 20 600V HP 2 240V HP 5 5 Ambient conditions min °C -25 max °C +55 5 Temperature min °C -25 max °C +55 5 Storage temperature min °C -40 -40 -40 -40					
$\begin{tabular}{ c c c c c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $			Max	AWG	8
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$		AWG - Flexible cable			
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			Max	AWG	10
Max mm² 6 Conductor size (IEC) - Rigid cable min mm² 1.5 Max mm² 10 Mechanical life cycles 5x10° UL technical data rttrain 5 Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 10 480V HP 20 for single-phase motor 120V HP 20 600V HP 20 for single-phase motor 120V HP 2 240V HP 2 for single-phase motor 120V HP 2 <td></td> <td>Conductor size (IEC) - Flexible cable</td> <td></td> <td>2</td> <td></td>		Conductor size (IEC) - Flexible cable		2	
$\begin{tabular}{ c c c c c c c } \hline Conductor size (IEC) - Rigid cable & min mm^2 1.5 & Max mm^2 10 & Max mm^2 & $					
$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $			Max	mm²	6
Max mm² 10 Mechanical life cycles 5x10 ⁶ UL technical data		Conductor size (IEC) - Rigid cable		2	
Mechanical life cycles 5x10° UL technical data Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$					
UL technical data Motor power for direct-on-line control for three-phase motor 120V HP 5 240V HP 10 480V HP 20 for single-phase motor 120V HP 2 20 for single-phase motor 120V HP 2 2 Ambient conditions 120V HP 2 2 Temperature Operating temperature min °C -25 Storage temperature min °C -40	Machanicallifa		IVIAX		
Motor power for direct-on-line control for three-phase motor $ \begin{array}{ccccccccccccccccccccccccccccccccccc$				cycles	5X 10°
for three-phase motor 120V HP 5 240V HP 10 480V HP 20 600V HP 20 600V HP 20 for single-phase motor 120V HP 2 2 Ambient conditions 120V HP 2 2 Temperature 0 9 5 1 Operating temperature min °C -25 1 Storage temperature min °C +55 1		et en line control			
120V HP 5 240V HP 10 480V HP 20 600V HP 20 for single-phase motor 120V HP 2 120V HP 2 240V HP 5 Ambient conditions 120V HP 5 5 Ambient conditions 0 120V HP 5 Ambient conditions 120V 140 140 Min °C -25 140 Min °C -40 140					
240V HP 10 480V HP 20 600V HP 20 for single-phase motor 120V HP 2 240V HP 2 2 Ambient conditions 120V HP 5 Ambient conditions 5 5 5 Storage temperature min °C -25 Max °C +55 5			120\/	HP	5
480V 600VHP 20 20for single-phase motor120V 240VHP 5Ambient conditionsTemperatureOperating temperaturemin x°C x +55Storage temperaturemin x°C x -40					
600VHP20for single-phase motor120V 240VHP2 2 240VAmbient conditions120V 240VHP5Ambient conditions55Temperature011Operating temperaturemin model°C 25 155-25 25Storage temperaturemin min °C°C -40					
for single-phase motor 120V HP 2 120V HP 5 Ambient conditions					
120V HP 2 240V HP 5 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -40		for single-phase motor	0001	. //	
240V HP 5 Ambient conditions			120\/	HP	2
Ambient conditions Temperature Operating temperature min °C -25 max °C Storage temperature min °C -40					
Temperature Operating temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Ambien <u>t conditions</u>				
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40					
min °C -25 max °C +55 Storage temperature min °C -40		Operating temperature			
max °C +55 Storage temperature min °C -40			min	°C	-25
Storage temperature min °C -40					
min °C -40		Storage temperature			
max °C +70			min	°C	-40
			max	°C	+70

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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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IP65 IP00

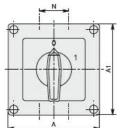
ENERGY AND AUTOMATION

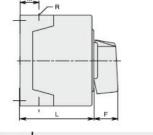
Resistance & Protection

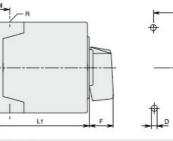
Frontal IP degree

Terminals IP degree

Dimensions

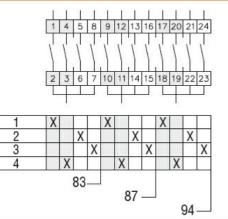






Carries	Enclosure	Number o	f elements	Dimensions						Cable	Protection				
Series Size	L	L1	Α	A1	C	C1	D	F	M	N	L	L1	entry	degree	
7GN12	75x75	1-2	3 - 4												
7GN20]	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6												
7GN25]	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1-2	3 - 4	20000	20040										21-2222-2006-22
7GN40		1	2 - 3												
7GN12	110x110	1-4	5-8												
7GN20		1 - 4	5 - 8												
7GN25	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4-0001	IP65
7GN32	1	1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	60.0	119.5	4xPG21	COAL
7GN40	1	1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40	20072002200000000 M	1-2	3 - 4	105	475	140	110		32	21	68	04.2	110.0	4xPG21	IDCC
7GN63	1	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	2xPG11	IP65
7GN125		1	2												
7GN32	180x254	1-5	6 - 8												
7GN40		1 - 4	5 - 7	100	054	100	100		32	35	76	101	175	4xPG29	IDCE
7GN63]	1 - 3	4 - 6	180	254	120	190	5.5	32	35	76	121	175	2xPG11	IP65
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