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Product designation			Enclosed rotary cam switch
Product type designation			7GN40
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/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith			
	IEC/EN	А	40
	UL/CSA	А	50
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	40
	15kA	А	40
	25kA	А	40
	50kA	A	40
	63kA	A	40
Rated short time current Icw			
-	1s	А	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			10
1015		A	40
AC15	4401/	۸	05
	110V 220/230V	A A	25 22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC	000/0901	~	2
Three-phase AC-3			
111100-1111000 10-0	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3	300,000 V		
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8

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ENCLOSURE 110X110MM WITH RED/YELLOW HANDLE

	Three-phase AC23A			
		220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A			
	5 1	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rent in DC	000,1101		
	DC21A			
	0021A	48V	А	40
		40V 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 (3)
		110V	А	20 (3)
		220V	А	12 (4)
	DC13			
		24V	А	40
		48V	А	32
		60V	А	16
		110V	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	terminals max		Nm	1.2
Conductor size				
0011000101 3120	AWG - Rigid cable			
	AWG - Nigid Cable		AWG	16
				10
		min		
		min Max	AWG	8
	AWG - Flexible cable	Max	AWG	8
	AWG - Flexible cable	Max min	AWG AWG	8
		Max	AWG	8
	AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	8 16 10
		Max min Max min	AWG AWG AWG mm²	8 16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	8 16 10
		Max min Max min	AWG AWG AWG mm²	8 16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max min	AWG AWG AWG mm²	8 16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm ² mm ²	8 16 10 1.5 6
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm ² mm ²	8 16 10 1.5 6 1.5
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG mm ² mm ² mm ²	8 16 10 1.5 6 1.5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG mm ² mm ² mm ²	8 16 10 1.5 6 1.5 10
	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min	AWG AWG AWG mm ² mm ² mm ²	8 16 10 1.5 6 1.5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max 120V	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V	AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V 120V	AWG AWG mm ² mm ² mm ² cycles HP HP HP HP	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20 2
UL technical data	Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable t-on-line control for three-phase motor	Max min Max min Max min Max 120V 240V 480V 600V	AWG AWG AWG mm ² mm ² mm ² cycles	8 16 10 1.5 6 1.5 10 5x10 ⁶ 5 10 20 20

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Temperature

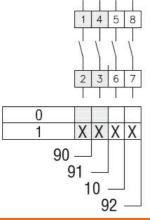
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			Opera	tina te	mpera	ature											
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Terminal	s IP dec	gree														IP00	
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	F 1	Number	f elements	2				Dimo	nsions					0.11	D		
Series	Enclosure size		L1	A	A1	С	C1	Dinie	F	M	N		L1	Cable entry	Protection degree		
7GN12	75x75	1-2	3 - 4									-			-		
7GN20	10010	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													2	
7GN12	90x90	1-3	4 - 6													-	
7GN20		1-3	4 - 6		0403	1000	0400	257272	2823	23423	19899	0.000		19104010844	08000000		
7GN25	1	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		-	-			-				ļ				
7GN12 7GN20	110x110	1-4	5-8 5-8														
7GN25	1	1-4	4-5														
7GN32		1-3	4-5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65		
7GN40	1	1-2	3-5														
7GN63	1	1-2	3 - 4														
7GN32	125x175	1-3	4 - 5														
7GN40	1000-1000-2000-200 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	125	175	140	112	0.0	32	21	00	04.3	110.3	2xPG11	100		
7GN125		1	2														
7GN32	180x254	1-5	6 - 8														
7GN40	1	1-4	5 - 7	10071010	1100003121	2010/062	2140202	000000000	00000	02200	125255	474722022	201222000	4xPG29	100000000		

Wiring diagrams

7GN40

7GN63

7GN125



1 - 4

1-3

1-2

5 - 7

4 - 6

3 - 4

180

254

120

190

5.5

32

35

76

121

175

Certifications and compliance Compliance

IEC/EN/BS 60947-1

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4xPG29

2xPG11

IP65



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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