

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 1 POLE 16A IN PLASTIC ENCLOSURE 90X90MM WITH RED/YELLOW HANDLE

Product designation			Enclosed rotary
Product type designation			cam switch 7GN12
General characteristics			701112
Switching diagram			90 - ON/OFF switch 1 pole
N° of elements			1
			P25 - Plastic
Mounting form			enclosure with
Contact characteristics			red/yellow handle
Contact characteristics Rated insulation voltage Ui			
Nated Insulation voltage of	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp	OLIOOA	kV	6
Conventional free air thermal current Ith		ΚV	0
Conventional free all thermal current full	IEC/EN	Α	16
	UL/CSA	A	15
Rated operational voltage	OLIOUA	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)		IX V	<u> </u>
Maximum ruse size for short-circuit protection in (go)	10kA	Α	16
	15kA	A	10
	25kA	A	10
Rated short time current lcw	2010 (- ' ' '	10
Traise short time surront tow	1s	Α	200
Conductivity			10/5 mA/V
Operational current le IEC/EN			10/0 11/7 (
AC1/AC21A			
710 117102 1171		Α	16
AC15			
7.0.10	110V	Α	10
	220/230V	Α	8
	380/400V	Α	4
	660/690V	Α	1.5
Rated operational power in AC			
Three-phase AC-3			
•	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A		_	
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7
Rated operational current in DC	380/440V	kW	3



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	DC21A			
	DOZIA	48V	Α	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
	DC23A (poles in series)	440 V	^	0.25
	DOZSA (poles in series)	24V	Α	10 (1)
		48V		
			A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
	DC42	220V	Α	5 (4)
	DC13	24)/	۸	40
		24V	A	12
		48V	A	10
		60V	Α	8
		110V	Α	1
		220V	Α	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				110
Terminals screw				M3
Tightening torque for to	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			_
		min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data				
Motor power for direct-	-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		min max	°C	-40 +70
Resistance & Protection				



ENERGY AND AUTOMATION

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Frontal IP degree IP65

Terminals IP degree IP00

C1

64

63

83

112

190

C

50

79

98.4

146

120

Dimensions

Series

7GN12

7GN20

7GN25

7GN12

7GN20

7GN25

7GN32

7GN40 7GN12

7GN20

7GN25

7GN32

7GN40

7GN63

7GN32

7GN40

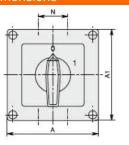
7GN63

7GN125 7GN32

7GN40

7GN63

7GN125



Enclosure size

75x75

90x90

110x110

125x175

180x254

Number of elements

1-2

1-2

1-3

1-3

1-2

1-2

1-4

1-4

1-3

1-3

1-2

1-3

1-2

1-2

1-5

1 - 4

1-3

1-2

L1

3 - 4

3 - 4

2 - 3

4 - 6

4 - 6

3 - 4

3-4

5 - 8

5 - 8

4 - 5

4-5

3 - 5

3 - 4

4 - 5

3 - 4

3 - 4

6-8

5 - 7

4-6

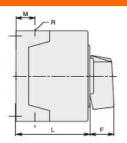
3 - 4

90

110

125

180



A1

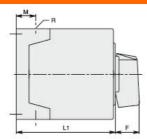
75

90

110

175

254



M

14

19

21

21

35

68

76

Dimensions

19

25

32

32

32

D

4.5

4.5

4.5

5.5

5.5

F,					t
N	L	L1	Cable entry	Protection degree	
28	57.5	79.8	4xPG13.5	IP65	
30	71.3	98.3	4xPG16	IP65	
39.5	85.5	119.5	4xPG21	IP65	

4xPG21

2xPG11

4xPG29

2xPG11

IP65

IP65

118.3

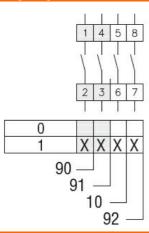
175

84.3

121

C1

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

ETIM 8.0

EC001029 -Selector switch, complete