



Product designation

Enclosed rotary  
cam switch

Product type designation

7GN32

**General characteristics**

Switching diagram

91 - ON/OFF  
switch 2 poles

N° of elements

1

Mounting form

P25 - Plastic  
enclosure with  
red/yellow handle

**Contact characteristics**

Rated insulation voltage  $U_i$

IEC/EN	V	690
UL/CSA	V	600

Rated impulse withstand voltage  $U_{imp}$

kV	6
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Conventional free air thermal current  $I_{th}$

IEC/EN	A	32
UL/CSA	A	40

Rated operational voltage

V	480
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Rated operational impulse voltage

kV	4
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Maximum fuse size for short-circuit protection  $I_n$  (gG)

10kA	A	32
15kA	A	32
25kA	A	32
50kA	A	32

Rated short time current  $I_{cw}$

1s	A	800
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Conductivity

10/5 mA/V

Operational current  $I_e$  IEC/EN

AC1/AC21A

A	32
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AC15

110V	A	25
220/230V	A	20
380/400V	A	10
660/690V	A	2

Rated operational power in AC

Three-phase AC-3

220/230V	kW	7.5
380/440V	kW	11
500/690V	kW	11

Single-phase AC-3

110V	kW	2.2
220/230V	kW	4
380/440V	kW	6.5

Three-phase AC23A

	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	18.5
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Single-phase AC23A	110V	kW	2.2
	220/230V	kW	4
	380/440V	kW	7.5
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Rated operational current in DC			
DC21A	48V	A	32
	60V	A	32
	110V	A	6
	220V	A	0.9
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DC23A (poles in series)	24V	A	32 (1)
	48V	A	32 (2)
	60V	A	32 (3)
	110V	A	15 (3)
	220V	A	12 (4)
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DC13	24V	A	32
	48V	A	25
	60V	A	16
	110V	A	3
	220V	A	0.5
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Power dissipation		W	1.5
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<b>Mechanical features</b>			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
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Conductor size			
AWG - Rigid cable			
	min	AWG	16
	Max	AWG	8
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AWG - Flexible cable			
	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	4
<hr/>			
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6
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Mechanical life		cycles	5x10 <sup>6</sup>
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<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	5
	240V	HP	10
	480V	HP	15
	600V	HP	15
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for single-phase motor			
	120V	HP	2
	240V	HP	5
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<b>Ambient conditions</b>			

Temperature

Operating temperature

min	°C	-25
max	°C	+55

Storage temperature

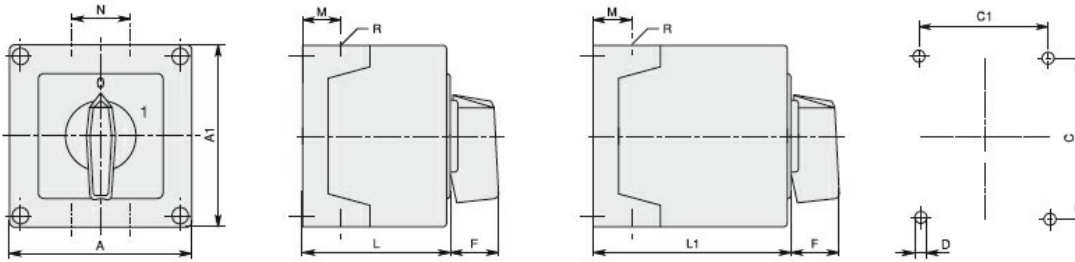
min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree IP65

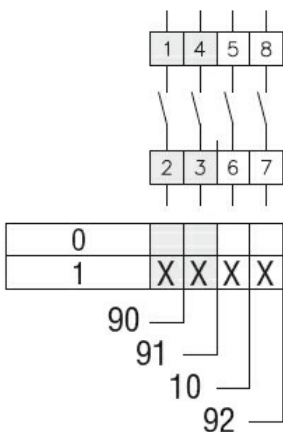
Terminals IP degree IP00

Dimensions



Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
7GN12	75x75	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20		1-2	3-4												
7GN25		1	2-3												
7GN12	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20		1-3	4-6												
7GN25		1-2	3-4												
7GN32		1-2	3-4												
7GN40		1	2-3												
7GN12	110x110	1-4	5-8	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN20		1-4	5-8												
7GN25		1-3	4-5												
7GN32		1-3	4-5												
7GN40		1-2	3-5												
7GN63		1-2	3-4												
7GN32	125x175	1-3	4-5	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40		1-2	3-4												
7GN63		1-2	3-4												
7GN125		1	2												
7GN32	180x254	1-5	6-8	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65
7GN40		1-4	5-7												
7GN63		1-3	4-6												
7GN125		1-2	3-4												

Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 60947-1

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IEC/EN/BS 60947-3

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IEC/EN/BS 60947-5-1

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Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete