



Enclosed rotary  
cam switch  
7GN125

Product designation

Product type designation

### General characteristics

Switching diagram

92 - ON/OFF  
switch 4 poles

N° of elements

2

Mounting form

P - Plastic  
enclosure with  
black handle

### Contact characteristics

Rated insulation voltage  $U_i$

IEC/EN	V	690
UL/CSA	V	600

Rated impulse withstand voltage  $U_{imp}$

kV	6
----	---

Conventional free air thermal current  $I_{th}$

IEC/EN	A	125
UL/CSA	A	130

Rated operational voltage

V	690
---	-----

Rated operational impulse voltage

kV	6
----	---

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

10kA	A	125
15kA	A	100
25kA	A	100
50kA	A	100
63kA	A	100

Rated short time current  $I_{cw}$

1 s	kA	2100
-----	----	------

Conductivity

10/5 mA/V
-----------

Operational current  $I_e$  IEC/EN

AC1/AC21A

A	125
---	-----

AC15

110V	A	40
220/230V	A	28
380/400V	A	15
660/690V	A	5

Rated operational power in AC

Three-phase AC-3

220/230V	kW	18.5
380/440V	kW	37
500/690V	kW	33

Single-phase AC-3

110V	kW	5
220/230V	kW	11
380/440V	kW	15

Three-phase AC23A			
	220/230V	kW	30
	380/440V	kW	45
	500/690V	kW	37
Single-phase AC23A			
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
Rated operational current in DC			
DC21A			
	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13			
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
Power dissipation		W	6.3
<b>Mechanical features</b>			
Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	1/0
AWG - Flexible cable			
	min	AWG	14
	Max	AWG	1/0
Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
Mechanical life		cycles	1X10 <sup>6</sup>
<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	15
	240V	HP	25
	480V	HP	50
	600V	HP	40
for single-phase motor			
	120V	HP	5
	240V	HP	15
<b>Ambient conditions</b>			

## Temperature

### Operating temperature

min	°C	-25
max	°C	+55

### Storage temperature

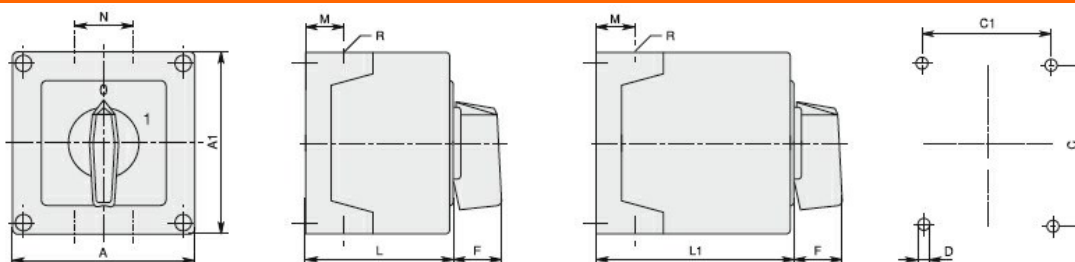
min	°C	-40
max	°C	+70

## Resistance & Protection

Frontal IP degree IP65

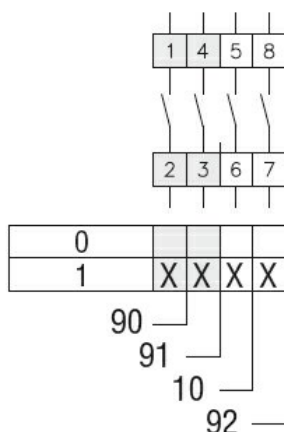
Terminals IP degree IP00

## 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

---

IEC/EN/BS 60947-3

---

IEC/EN/BS 60947-5-1

---

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete