



Product designation	Enclosed rotary cam switch		
Product type designation	7GN125		
General characteristics			
Switching diagram	10 - ON/OFF switch 3 poles		
Nº of elements	2		
Mounting form	P25 - Plastic enclosure with red/yellow handle		
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	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 In (gG)	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current Icw	1s	kA	2100
Conductivity	10/5 mA/V		
Operational current Ie 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
Mechanical features			
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>
UL technical data			
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
Ambient conditions			

**Temperature**
**Operating temperature**

min	°C	-25
max	°C	+55

**Storage temperature**

min	°C	-40
max	°C	+70

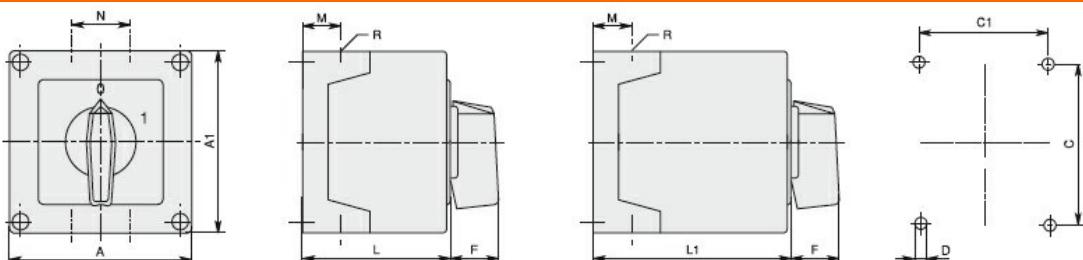
**Resistance & Protection**

Frontal IP degree

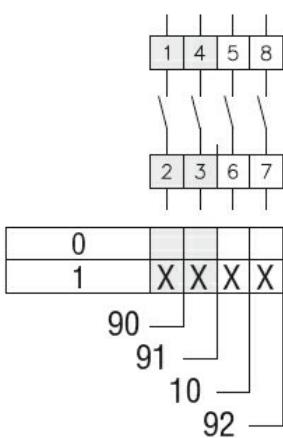
IP65

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