

Product designation	Rotary cam switches
Product type designation	7GN125
General characteristics	
Switching diagram	56 - Changeover switch without 0 3 poles
N° of elements	3
Mounting form	U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
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
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Rated operational current in DC			
DC21A			
	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
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DC23A (poles in series)			
	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
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DC13			
	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
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Power dissipation		W	6.3
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Mechanical features			
Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
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Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	1/0
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AWG - Flexible cable			
	min	AWG	14
	Max	AWG	1/0
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Conductor size (IEC) - Flexible cable			
	min	mm ²	2.5
	Max	mm ²	50
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Conductor size (IEC) - Rigid cable			
	min	mm ²	2.5
	Max	mm ²	50
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Mechanical life		cycles	1X10 ⁶
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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
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for single-phase motor			
	120V	HP	5
	240V	HP	15
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Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55

Storage temperature

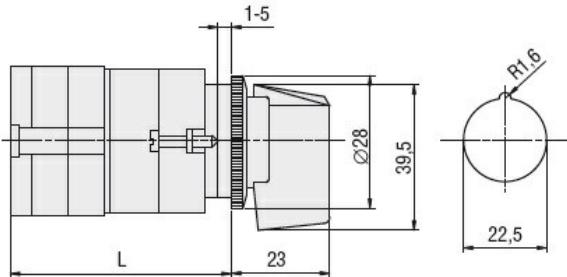
min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP40

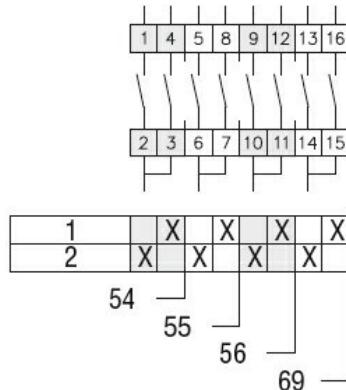
Terminals IP degree IP00

Dimensions



Series	L			
	1	2	3.....8	
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete