

Product designation				Rotary cam switches
Product type designation				7GN12
General characteristics				
Switching diagram				54 - Changeover switch without 0 1 pole
N° of elements				1
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 16
				UL/CSA A 15
Rated operational voltage				V 480
Rated operational impulse voltage				kV 4
Maximum fuse size for short-circuit protection In (gG)				
				10kA A 16
				15kA A 10
				25kA A 10
Rated short time current Icw				
				1s kA 200
Conductivity				10/5 mA/V
Operational current Ie IEC/EN				
AC1/AC21A				A 16
AC15				
				110V A 10
				220/230V A 8
				380/400V A 4
				660/690V A 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

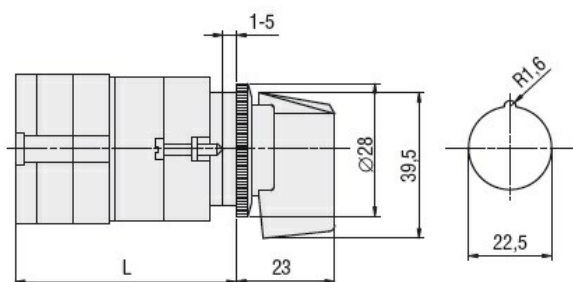
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational current in DC				
DC21A				
		48V	A	12
		60V	A	12
		110V	A	4
		220V	A	0.6
		440V	A	0.25
DC23A (poles in series)				
		24V	A	10 (1)
		48V	A	10 (2)
		60V	A	10 (3)
		110V	A	5 (3)
		220V	A	5 (4)
DC13				
		24V	A	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation			W	0.8
Mechanical features				
Terminals screw				M3
Tightening torque for terminals 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	mm ²	0.5
		Max	mm ²	2.5
Conductor size (IEC) - Rigid cable				
		min	mm ²	0.5
		Max	mm ²	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
		480V	HP	50
		600V	HP	40
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
	max	°C	+70

Resistance & Protection

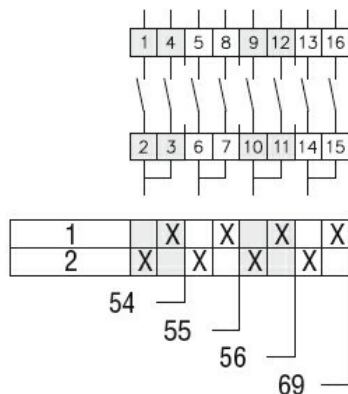
Frontal IP degree	IP40
Terminals IP degree	IP00

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