

Product designation	Enclosed rotary cam switch		
Product type designation	7GN32		
General characteristics			
Switching diagram	56 - Changeover switch without 0 3 poles		
N° of elements	3		
Mounting form	P - Plastic enclosure with black 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	32
	UL/CSA	A	40
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current Icw	1s	kA	800
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A		A	32
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
Single-phase AC23A	110V	kW	2.2
	220/230V	kW	4

	380/440V	kW	7.5
Rated operational current in DC			
DC21A			
48V	A	32	
60V	A	32	
110V	A	6	
220V	A	0.9	
DC23A (poles in series)			
24V	A	32 (1)	
48V	A	32 (2)	
60V	A	32 (3)	
110V	A	15 (3)	
220V	A	12 (4)	
DC13			
24V	A	32	
48V	A	25	
60V	A	16	
110V	A	3	
220V	A	0.5	
Power dissipation		W	1.5
Mechanical features			
Terminals screw		M4	
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable			
min	AWG	16	
Max	AWG	8	
AWG - Flexible cable			
min	AWG	16	
Max	AWG	10	
Conductor size (IEC) - Flexible cable			
min	mm ²	1.5	
Max	mm ²	4	
Conductor size (IEC) - Rigid cable			
min	mm ²	1.5	
Max	mm ²	6	
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
120V	HP	5	
240V	HP	10	
480V	HP	15	
600V	HP	15	
for single-phase motor			
120V	HP	2	
240V	HP	5	
Ambient conditions			
Temperature			
Operating temperature			
min	°C	-25	
max	°C	+55	
Storage temperature			
min	°C	-40	

Resistance & Protection

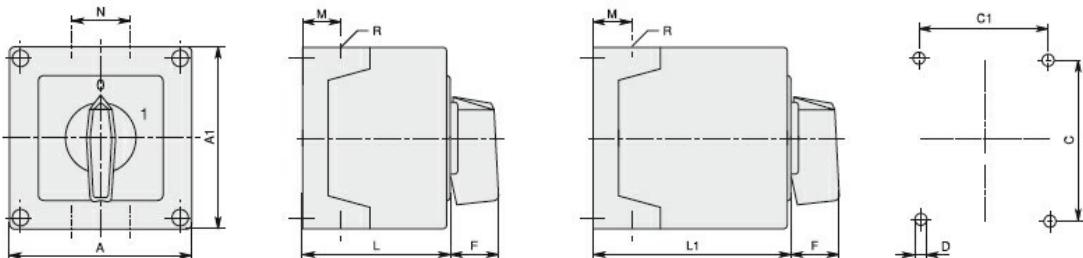
Frontal IP degree

IP65

Terminals IP degree

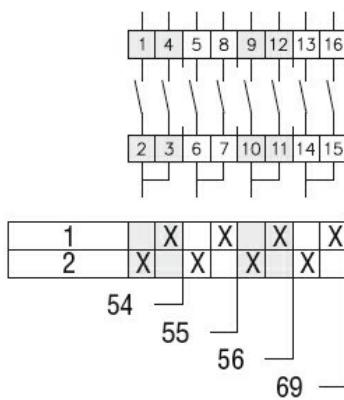
IP00

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