

General characteristics

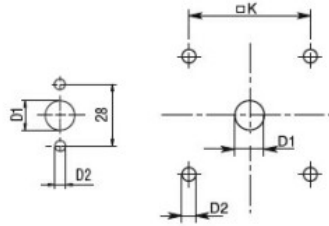
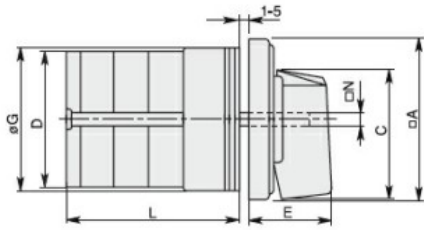
Switching diagram	56 - Changeover switch without 0 3 poles
N° of elements	3
Mounting form	U - Front mounting with black handle

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	25	
	UL/CSA	A	30	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	25	
	15kA	A	25	
	25kA	A	25	
Rated short time current I_{cw}	1s	kA	400	
	Conductivity			10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A		A	25
	AC15			
	110V	A	16	
	220/230V	A	12	
	380/400V	A	8	
	660/690V	A	2	
Rated operational power in AC	Three-phase AC-3			
	220/230V	kW	5.5	
	380/440V	kW	7.5	
	500/690V	kW	7.5	
	Single-phase AC-3			
	110V	kW	1.5	
	220/230V	kW	3	
	380/440V	kW	5.5	
	Three-phase AC23A			
	220/230V	kW	6.5	
	380/440V	kW	11	
	500/690V	kW	11	
Single-phase AC23A				
110V	kW	1.5		
220/230V	kW	3.7		
380/440V	kW	5.5		
Rated operational current in DC	DC21A			
	48V	A	25	

	60V	A	25
	110V	A	4
	220V	A	0.7
<hr/>			
DC23A (poles in series)	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
<hr/>			
DC13	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
<hr/>			
Power dissipation		W	1.1
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
<hr/>			
Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	10
<hr/>			
AWG - Flexible cable	min	AWG	20
	Max	AWG	12
<hr/>			
Conductor size (IEC) - Flexible cable	min	mm ²	0.5
	Max	mm ²	4
<hr/>			
Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	4
<hr/>			
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
<hr/>			
for single-phase motor	120V	HP	1.5
	240V	HP	3
<hr/>			
Ambient conditions			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
<hr/>			
Storage temperature	min	°C	-40
	max	°C	+70
<hr/>			
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

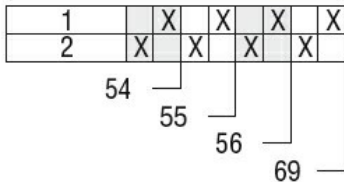
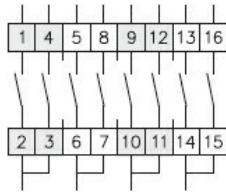
Dimensions



Standard drillings for 7GN125.
Drillings on request for 4 screws fixing
(4V version).

Series	Dimensions									L Number of elements											
	□A	C	ØD	ØD1	ØD2	E	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

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

- cCSAus
- EAC
- UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch