

**General characteristics**

Switching diagram	67 - Voltmeter switch for phase-phase voltages
N° of elements	2
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	40	
	UL/CSA	A	50	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	40	
	15kA	A	40	
	25kA	A	40	
	50kA	A	40	
	63kA	A	40	
Rated short time current $I_{cw}$	1s	kA	1000	
			10/5 mA/V	
Conductivity			10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A	A	40	
	AC15			
	110V	A	25	
	220/230V	A	22	
	380/400V	A	12	
	660/690V	A	2	
Rated operational power in AC	Three-phase AC-3	220/230V	kW	8
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC-3	110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
	Three-phase AC23A	220/230V	kW	8
		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A	110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational current in DC				

DC21A	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9

DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)

DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3

Power dissipation		W	2.0
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**Mechanical features**

Terminals screw			M4
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Tightening torque for terminals max		Nm	1.2
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**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 <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	6

Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	1.5
	Max	mm <sup>2</sup>	10

Mechanical life		cycles	5x10 <sup>6</sup>
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**UL technical data**

Motor power for direct-on-line control for three-phase motor	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20

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
	max	°C	+70

**Resistance & Protection**

Frontal IP degree			IP40
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Terminals IP degree

IP00

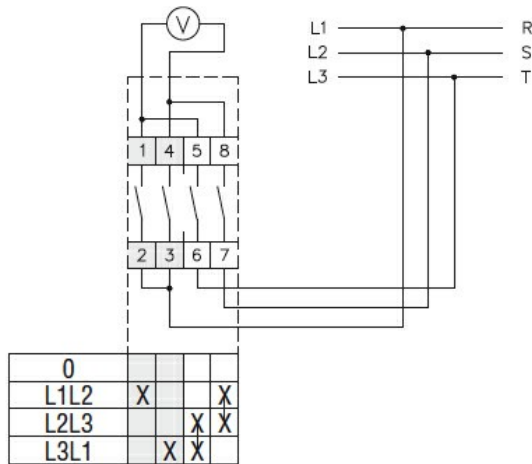
**Dimensions**



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

EC001029 -  
Selector switch,  
complete