

General characteristics

Switching diagram	87 - Multi-step 1-2-3-4 2 poles
N° of elements	4
Mounting form	O - Rear 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	32	
	UL/CSA	A	40	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	32	
	15kA	A	32	
	25kA	A	32	
	50kA	A	32	
Rated short time current I_{cw}	1s	kA	800	
			10/5 mA/V	
Conductivity			10/5 mA/V	
Operational current I_e 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

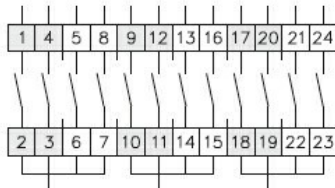
		60V	A	32
		110V	A	6
		220V	A	0.9
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DC23A (poles in series)		24V	A	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
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DC13		24V	A	32
		48V	A	25
		60V	A	16
		110V	A	3
		220V	A	0.5
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Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
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Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
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	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
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	Conductor size (IEC) - Flexible cable			
		min	mm ²	1.5
		Max	mm ²	4
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	Conductor size (IEC) - Rigid cable			
		min	mm ²	1.5
		Max	mm ²	6
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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
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	for single-phase motor			
		120V	HP	2
		240V	HP	5
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Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
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	Storage temperature			
		min	°C	-40
		max	°C	+70
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Resistance & Protection				
Frontal IP degree				IP40
Terminals IP degree				IP00

Dimensions



Series	Dimensions								L Number of elements											
	□A	C	ØD	ØD2	E	H	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



1	X			X			X															
2			X				X													X		
3				X				X														X
4		X				X				X												

83 —
87 —
94 —

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