

General characteristics

Switching diagram	25 - 1-phase motor reversing switch with spring return
N° of elements	2
Mounting form	P25 - Plastic enclosure with red/yellow 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
			10/5 mA/V
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
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DC23A (poles in series)	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
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DC13	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
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Power dissipation		W	1.1
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
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Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	10
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AWG - Flexible cable	min	AWG	20
	Max	AWG	12
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Conductor size (IEC) - Flexible cable	min	mm ²	0.5
	Max	mm ²	4
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Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	4
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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	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
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for single-phase motor	120V	HP	1.5
	240V	HP	3
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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			IP65

Terminals IP degree

IP00

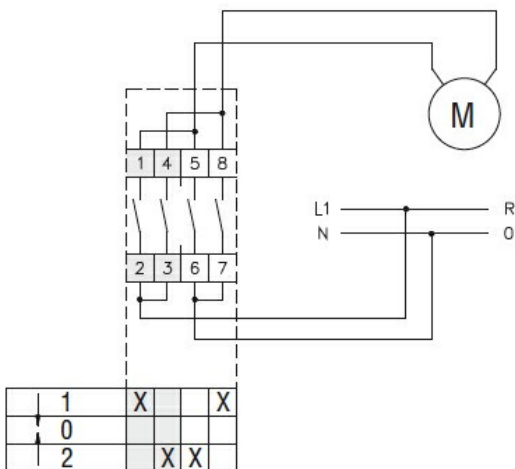
Dimensions

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												
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Ⓟ		1-2	3-5												
7GN40Ⓟ		1-2	3-5												
7GN63		1-2	3-4												
7GN32Ⓟ	125x175	1-2	3-4	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	198x248	-	1-7	198	248	190-210	140-180	5.5	32	35	104	-	166.5	6xPG16- 21-29	IP65
7GN40		-	1-7												
7GN63Ⓟ		-	1-6												
7GN125ⓅⓅ		-	1-4												

Ⓟ Standard dimensions for cam switch in plastic enclosure with black handle (P).

ⓅⓅ Standard dimensions for cam switch in plastic enclosure with red/yellow handle padlockable in 0 (P25).

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