

General characteristics

Switching diagram	26 - 3-phase motor reversing switch with spring return
N° of elements	3
Mounting form	P - Plastic enclosure with black handle

Contact characteristics

Rated insulation voltage U_i	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage U_{imp}		kV	6
Conventional free air thermal current I_{th}	IEC/EN UL/CSA	A A	25 30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA 15kA 25kA	A A A	25 25 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 220/230V 380/400V 660/690V	A A A A	16 12 8 2
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	5.5 7.5 7.5
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	1.5 3 5.5
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	6.5 11 11
Single-phase AC23A	110V 220/230V 380/440V	kW kW kW	1.5 3.7 5.5
Rated operational current in DC			
DC21A			

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH
WITH SPRING RETURN 25A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

		48V	A	25
		60V	A	25
		110V	A	4
		220V	A	0.7
DC23A (poles in series)				
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
DC13				
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			W	1.1
Mechanical features				
Terminals screw				M3.5
Tightening torque for terminals max			Nm	0.8
Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		10
AWG - Flexible cable				
	min	AWG		20
	Max	AWG		12
Conductor size (IEC) - Flexible cable				
	min	mm ²		0.5
	Max	mm ²		4
Conductor size (IEC) - Rigid cable				
	min	mm ²		0.5
	Max	mm ²		4
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
for single-phase motor				
	120V	HP		1.5
	240V	HP		3
Ambient conditions				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40
	max	°C		+70
Resistance & Protection				
Frontal IP degree				IP65

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Terminals IP degree

IP00

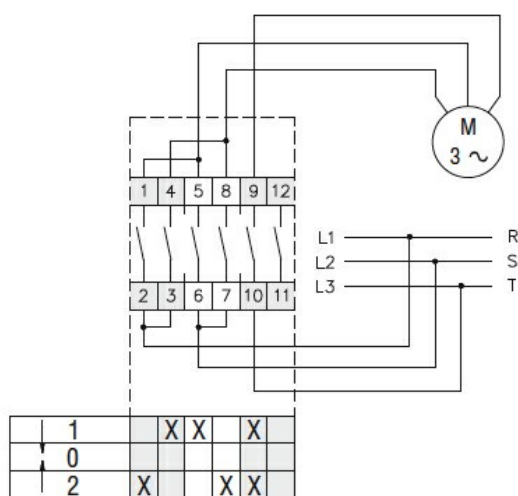
Dimensions

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 [Ⓟ]	110x110	1	2-3	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN12 [Ⓟ]		1-4	5-8												
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).

Ⓟ D 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