



General characteristics

Switching diagram	11 - 3-phase motor reversing switch
N° of elements	3
Mounting form	P - Plastic enclosure with black handle

Contact characteristics

Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	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 In (gG)	10kA	A	32
	15kA	A	32
	25kA	A	32
	50kA	A	32
Rated short time current Icw			
	1s	kA	800
Conductivity			10/5 mA/V
Operational current Ie 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

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH
32A IN PLASTIC ENCLOSURE 90X90MM WITH BLACK HANDLE

		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
DC23A (poles in series)		24V	A	32 (1)
		48V	A	32 (2)
		60V	A	32 (3)
		110V	A	15 (3)
		220V	A	12 (4)
DC13		24V	A	32
		48V	A	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for terminals max			Nm	1.2
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 ²	1.5
		Max	mm ²	4
Conductor size (IEC) - Rigid cable		min	mm ²	1.5
		Max	mm ²	6
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
for single-phase motor		120V	HP	2
		240V	HP	5

Ambient conditions

Temperature

Operating temperature

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, 3-PHASE MOTOR REVERSING SWITCH
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min °C -25
max °C +55

Storage temperature

min °C -40
max °C +70

Resistance & Protection

Frontal IP degree IP65

Terminals IP degree IP00

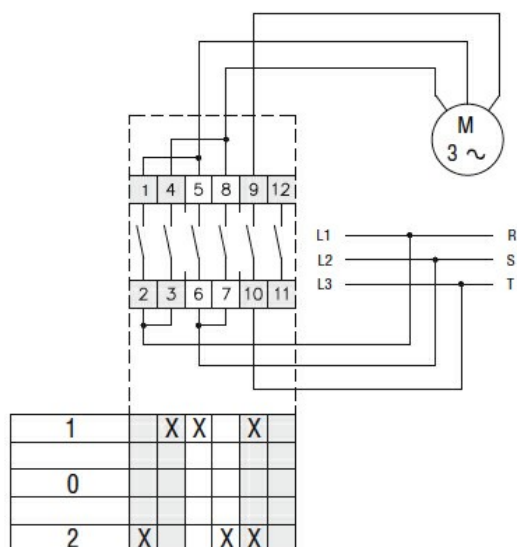
Dimensions

Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
7GN12 ^①	75x75 ^②	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20 ^①		1-2	3-4												
7GN25 ^①		1	2-3												
7GN12 ^②	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20 ^②		1-3	4-6												
7GN25 ^②		1-2	3-4												
7GN32		1	2-3												
7GN40		1	2-3	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN12	110x110	1-4	5-8												
7GN20		1-4	5-8												
7GN25		1-3	4-5												
7GN32 ^①		1-2	3-5												
7GN40 ^①		1-2	3-5												
7GN63		1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN32 ^②	125x175	1-2	3-4												
7GN40 ^②		1-2	3-4												
7GN63 ^②		1-2	3-4												
7GN125		1	2	198	248	190-210	140-180	5.5	32	35	104	-	166.5	6xPG16- 21-29	IP65
7GN32	198x248	-	1-7												
7GN40		-	1-7												
7GN63 ^②		-	1-6												
7GN125 ^{①②}		-	1-4												

① Standard dimensions for cam switch in plastic enclosure with black handle (P).

② 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

EC001105 - Off-
load switch