



### 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 $U_i$	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
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

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

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
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
<b>Mechanical features</b>			
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 <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Mechanical life		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
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
<b>Ambient conditions</b>			
Temperature			
Operating temperature			
	min	°C	-25

Storage temperature	max	°C	+55
	min	°C	-40
	max	°C	+70

**Resistance & Protection**

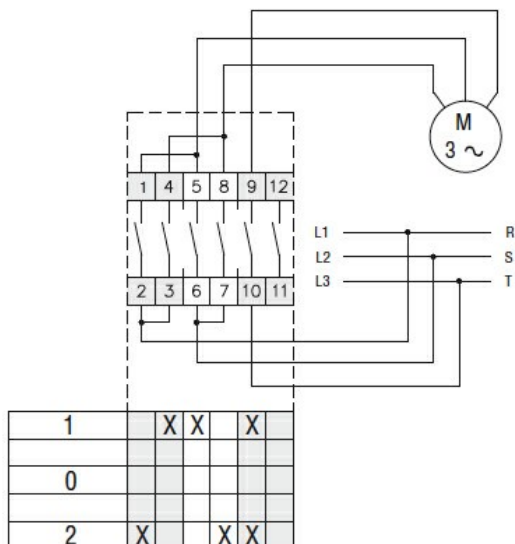
Frontal IP degree	IP65
Terminals IP degree	IP00

**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 <sup>Ⓟ</sup>	75x75 <sup>Ⓟ</sup>	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20 <sup>Ⓟ</sup>		1-2	3-4												
7GN25 <sup>Ⓟ</sup>		1	2-3												
7GN12 <sup>Ⓟ</sup>	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20 <sup>Ⓟ</sup>		1-3	4-6												
7GN25 <sup>Ⓟ</sup>		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 <sup>Ⓟ</sup>		1-2	3-5												
7GN40 <sup>Ⓟ</sup>		1-2	3-5												
7GN63		1-2	3-4												
7GN32 <sup>Ⓟ</sup>	125x175	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40 <sup>Ⓟ</sup>		1-2	3-4												
7GN63 <sup>Ⓟ</sup>		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 <sup>Ⓟ</sup>		-	1-6												
7GN125 <sup>Ⓟ</sup>		-	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

EC001105 - Off-  
load switch