

General characteristics

Switching diagram	12 - Star-delta motor starter switch
N° of elements	4
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	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current Icw	1s	kA	1600
			10/5 mA/V
Conductivity			
Operational current Ie IEC/EN			
AC1/AC21A		A	63
AC15	110V	A	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	4
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	11
	380/440V	kW	18.5
	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5
Three-phase AC23A	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A	110V	kW	3.7
	220/230V	kW	7.5
	380/440V	kW	12.5
Rated operational current in DC			

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH
63A IN PLASTIC ENCLOSURE 125X175MM WITH BLACK HANDLE

DC21A

48V	A	63
60V	A	50
110V	A	8
220V	A	1

DC23A (poles in series)

24V	A	50 (1)
48V	A	50 (2)
60V	A	50 (3)
110V	A	25 (3)
220V	A	15 (4)

DC13

24V	A	63
48V	A	40
60V	A	28
110V	A	3.3

Power dissipation W 3.4

Mechanical features

Terminals screw M5

Tightening torque for terminals max Nm 2

Conductor size

AWG - Rigid cable

min	AWG	14
Max	AWG	6

AWG - Flexible cable

min	AWG	14
Max	AWG	8

Conductor size (IEC) - Flexible cable

min	mm ²	2.5
Max	mm ²	10

Conductor size (IEC) - Rigid cable

min	mm ²	2.5
Max	mm ²	16

Mechanical life cycles 5x10⁶

UL technical data

Motor power for direct-on-line control

for three-phase motor

120V	HP	7.5
240V	HP	15
480V	HP	25
600V	HP	25

for single-phase motor

120V	HP	3
240V	HP	10

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

Terminals IP degree

IP00

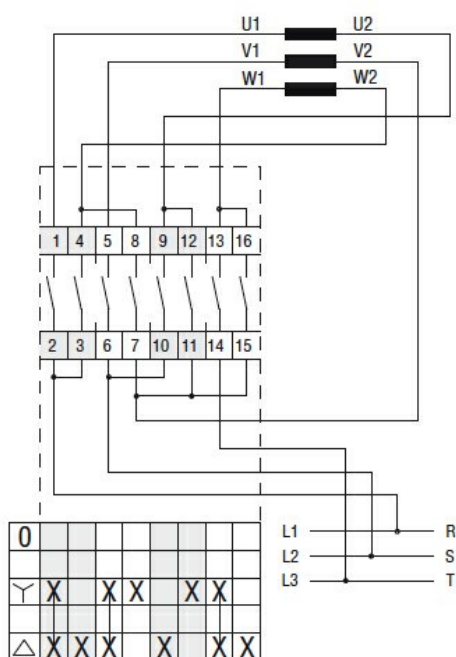
Dimensions

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 [Ⓟ]	125x175	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN32 [Ⓟ]		1 - 2	3 - 4												
7GN40 [Ⓟ]		1 - 2	3 - 4												
7GN63 [Ⓟ]		1 - 2	3 - 4												
7GN125 [Ⓟ]	198x248	1	2	198	248	190-210	140-180	5.5	32	35	104	-	166.5	6xPG16- 21-29	IP65
7GN32 [Ⓟ]		-	1 - 7												
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