

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 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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	16
	15kA	A	10
	25kA	A	10
Rated short time current I_{cw}	1s	kA	200
Conductivity			10/5 mA/V
Operational current I_e IEC/EN			
AC1/AC21A		A	16
AC15	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			
DC21A	48V	A	12

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, STAR-DELTA MOTOR STARTER SWITCH
16A IN PLASTIC ENCLOSURE 75X75MM WITH BLACK HANDLE

	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13	24V	A	12
	48V	A	10
	60V	A	8
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation	W		0.8
Mechanical features			
Terminals screw			M3
Tightening torque for terminals max	Nm		0.5
Conductor size			
AWG - Rigid cable	min	AWG	20
	Max	AWG	12
AWG - Flexible cable	min	AWG	20
	Max	AWG	14
Conductor size (IEC) - Flexible cable	min	mm ²	0.5
	Max	mm ²	2.5
Conductor size (IEC) - Rigid cable	min	mm ²	0.5
	Max	mm ²	2.5
Mechanical life		cycles	3x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	1.5
	240V	HP	3
for single-phase motor	120V	HP	0.5
	240V	HP	1
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

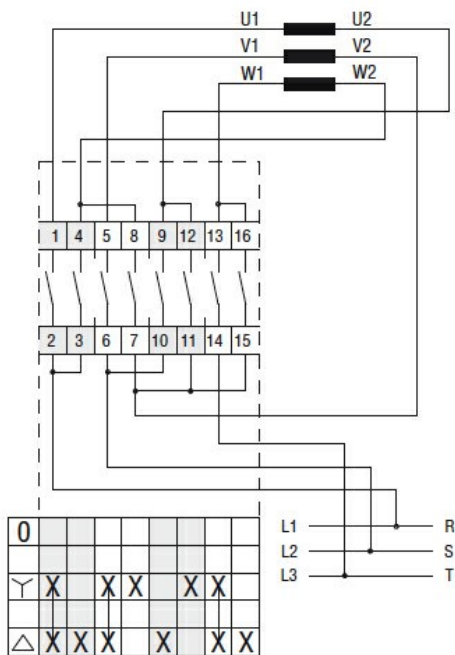
Dimensions

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).

Ⓟ DStandard 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

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