



General characteristics

Switching diagram	10 - ON/OFF switch 3 poles
N° of elements	2
Mounting form	P25 - Plastic enclosure with red/yellow 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	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection I_n (gG)	10kA 15kA 25kA 50kA 63kA	A A A A A	125 100 100 100 100
Rated short time current I_{cw}	1s	kA	2100
Conductivity			10/5 mA/V
Operational current I_e IEC/EN			
AC1/AC21A		A	125
AC15	110V 220/230V 380/400V 660/690V	A A A A	40 28 15 5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	18.5 37 33
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	5 11 15
Three-phase AC23A	220/230V 380/440V	kW kW	30 45

		500/690V	kW	37
Single-phase AC23A		110V	kW	5
		220/230V	kW	11
		380/440V	kW	15
Rated operational current in DC				
DC21A		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
DC23A (poles in series)		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	A	50 (3)
		220V	A	20 (4)
DC13		24V	A	125
		48V	A	100
		60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw			M2X5	
Tightening torque for terminals max			Nm	2
Conductor size				
AWG - Rigid cable		min	AWG	14
		Max	AWG	1/0
AWG - Flexible cable		min	AWG	14
		Max	AWG	1/0
Conductor size (IEC) - Flexible cable		min	mm ²	2.5
		Max	mm ²	50
Conductor size (IEC) - Rigid cable		min	mm ²	2.5
		Max	mm ²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
for single-phase motor		120V	HP	5
		240V	HP	15
Ambient conditions				
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

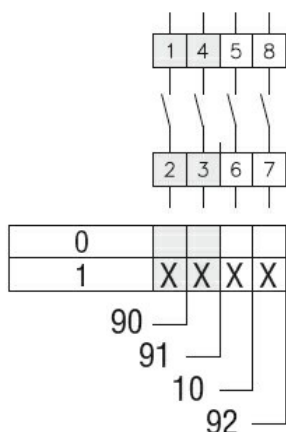
Dimensions

Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
7GN12①	75x75②	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20①		1-2	3-4												
7GN25①		1	2-3												
7GN12①	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20①		1-3	4-6												
7GN25①		1-2	3-4												
7GN32①		1	2-3												
7GN40①	110x110	1	2-3	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN12①		1-4	5-8												
7GN20①		1-4	5-8												
7GN25①		1-3	4-5												
7GN32①		1-2	3-5												
7GN40①		1-2	3-5												
7GN63①	125x175	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN32①		1-2	3-4												
7GN40①		1-2	3-4												
7GN125①②		1	2												
7GN32①	198x248	-	1-7	198	248	190-210	140-180	5.5	32	35	104	-	166.5	6xPG16-21-29	IP65
7GN40①		-	1-7												
7GN63①		-	1-6												
7GN125①②		-	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

EC001029 -
Selector switch,
complete