



General characteristics

Switching diagram	10 - ON/OFF switch 3 poles
N° of elements	2
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	40	
	UL/CSA	A	50	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	40	
	15kA	A	40	
	25kA	A	40	
	50kA	A	40	
	63kA	A	40	
Rated short time current I_{cw}	1s	kA	1000	
	60s	A	1000	
Conductivity			10/5 mA/V	
Operational current I_e IEC/EN	AC1/AC21A		A	40
		AC15	110V	A
220/230V	A		22	
380/400V	A		12	
660/690V	A		2	
Rated operational power in AC	Three-phase AC-3		220/230V	kW
		380/440V	kW	15
		500/690V	kW	15
	Single-phase AC-3	110V	kW	3
		220/230V	kW	6.5
		380/440V	kW	8
Three-phase AC23A	220/230V	kW	8	

	380/440V	kW	18.5
	500/690V	kW	22
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Single-phase AC23A	110V	kW	3
	220/230V	kW	6
	380/440V	kW	11
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Rated operational current in DC			
DC21A	48V	A	40
	60V	A	40
	110V	A	6
	220V	A	0.9
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DC23A (poles in series)	24V	A	40 (1)
	48V	A	40 (2)
	60V	A	40 (3)
	110V	A	20 (3)
	220V	A	12 (4)
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DC13	24V	A	40
	48V	A	32
	60V	A	16
	110V	A	3
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Power dissipation		W	2.0
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Mechanical features			
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
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Conductor size			
AWG - Rigid cable	min	AWG	16
	Max	AWG	8
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AWG - Flexible cable	min	AWG	16
	Max	AWG	10
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Conductor size (IEC) - Flexible cable	min	mm ²	1.5
	Max	mm ²	6
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Conductor size (IEC) - Rigid cable	min	mm ²	1.5
	Max	mm ²	10
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Mechanical life		cycles	5x10 ⁶
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UL technical data			
Motor power for direct-on-line control			
for three-phase motor	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
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for single-phase motor	120V	HP	2
	240V	HP	5
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Ambient conditions			
Temperature			
Operating temperature			

min °C -25
max °C +55

Storage temperature

min °C -40
max °C +70

Resistance & Protection

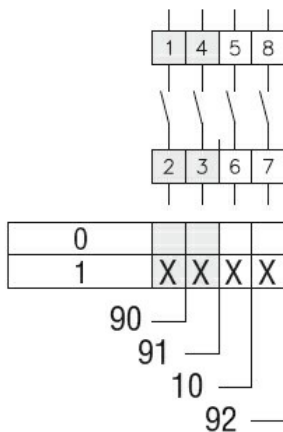
Frontal IP degree	IP65
Terminals IP degree	IP00

Dimensions

Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
7GN12⓪	75x75⓪	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20⓪		1-2	3-4												
7GN25⓪		1	2-3												
7GN12⓪	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20⓪		1-3	4-6												
7GN25⓪		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												
7GN32⓪		1-2	3-5												
7GN40⓪		1-2	3-5												
7GN63		1-2	3-4												
7GN32⓪	125x175	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40⓪		1-2	3-4												
7GN63⓪		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												
7GN63⓪		-	1-6												
7GN125⓪⓪		-	1-4												

- ⓪ Standard dimensions for cam switch in plastic enclosure with black handle (P).
- ⓪⓪ 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

