



General characteristics

Switching diagram	03 - ON/OFF spring return 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	125
	UL/CSA	A	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	125
	15kA	A	100
	25kA	A	100
	50kA	A	100
	63kA	A	100
Rated short time current I_{cw}	1s	kA	2100
			10/5 mA/V
Conductivity			10/5 mA/V
Operational current I_e IEC/EN	AC1/AC21A	A	125
	AC15		
	110V	A	40
	220/230V	A	28
	380/400V	A	15
	660/690V	A	5
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	18.5
	380/440V	kW	37
	500/690V	kW	33
	Single-phase AC-3		
	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
	Three-phase AC23A		
	220/230V	kW	30

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3
POLES 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

	380/440V	kW	45
	500/690V	kW	37
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Single-phase AC23A	110V	kW	5
	220/230V	kW	11
	380/440V	kW	15
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Rated operational current in DC			
DC21A	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
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DC23A (poles in series)	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
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DC13	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
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Power dissipation		W	6.3
Mechanical features			
Terminals screw			M2X5
Tightening torque for terminals max		Nm	2
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Conductor size			
AWG - Rigid cable	min	AWG	14
	Max	AWG	1/0
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AWG - Flexible cable	min	AWG	14
	Max	AWG	1/0
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Conductor size (IEC) - Flexible cable	min	mm ²	2.5
	Max	mm ²	50
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Conductor size (IEC) - Rigid cable	min	mm ²	2.5
	Max	mm ²	50
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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
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for single-phase motor	120V	HP	5
	240V	HP	15

Ambient conditions

Temperature

Operating temperature

min °C -25
max °C +55

Storage temperature

min °C -40
max °C +70

Resistance & Protection

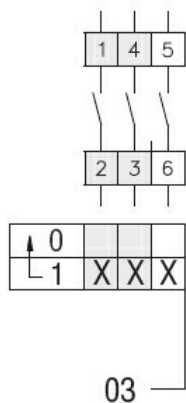
Frontal IP degree	IP65
Terminals IP degree	IP00

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		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ⓐ		1-2	3-5												
7GN40ⓐ		1-2	3-5												
7GN63		1-2	3-4												
7GN32ⓐ	125x175	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40ⓐ		1-2	3-4												
7GN63ⓐ		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ⓐ		-	1-6												
7GN125ⓐⓐ		-	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

EC001029 -
Selector switch,
complete