

### General characteristics

Switching diagram	108 - Multi-step 0-1-2-3 1 pole
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				
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	
	380/440V	kW	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				

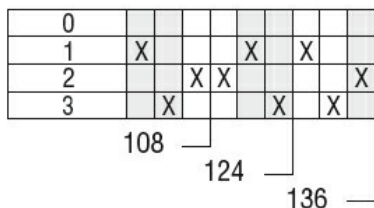
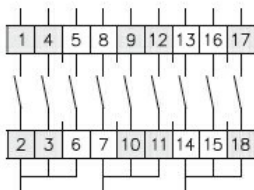
	48V	A	125
	60V	A	80
	110V	A	10
	220V	A	1.2
DC23A (poles in series)	24V	A	125 (1)
	48V	A	125 (2)
	60V	A	125 (3)
	110V	A	50 (3)
	220V	A	20 (4)
DC13	24V	A	125
	48V	A	100
	60V	A	50
	110V	A	4
Power dissipation		W	6.3
<b>Mechanical features</b>			
Terminals screw			M2X5
Tightening torque for terminals max		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 <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
Conductor size (IEC) - Rigid cable	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	50
Mechanical life		cycles	1X10 <sup>6</sup>
<b>UL technical data</b>			
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
<b>Ambient conditions</b>			
Temperature			
Operating temperature	min	°C	-25
	max	°C	+55
Storage temperature	min	°C	-40
	max	°C	+70
<b>Resistance &amp; Protection</b>			
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 <sup>Ⓟ</sup>	75x75 <sup>Ⓟ</sup>	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20 <sup>Ⓟ</sup>		1-2	3-4												
7GN25 <sup>Ⓟ</sup>		1	2-3												
7GN12 <sup>Ⓟ</sup>	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20 <sup>Ⓟ</sup>		1-3	4-6												
7GN25 <sup>Ⓟ</sup>		1-2	3-4												
7GN32		1	2-3												
7GN40	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 <sup>Ⓟ</sup>	1-2	3-5													
7GN40 <sup>Ⓟ</sup>	1-2	3-5													
7GN63	1-2	3-4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65	
7GN32 <sup>Ⓟ</sup>	1-2	3-4													
7GN40 <sup>Ⓟ</sup>	1-2	3-4													
7GN63 <sup>Ⓟ</sup>	1-2	3-4													
7GN125	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 <sup>Ⓟ</sup>	-	1-6													
7GN125 <sup>Ⓟ</sup>	-	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