

Product designation	Rotary cam switches		
Product type designation	7GN25		
General characteristics			
Switching diagram	136 - Multi-step 0-1-2-3 3 poles		
N° of elements	5		
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle		
Contact characteristics			
Rated insulation voltage Ui	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN	A	25
	UL/CSA	A	30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA	A	25
	15kA	A	25
	25kA	A	25
Rated short time current Icw	1s	KA	400
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		A	25
AC15	110V	A	16
	220/230V	A	12
	380/400V	A	8
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	220/230V	kW	5.5
	380/440V	kW	7.5
	500/690V	kW	7.5
Single-phase AC-3	110V	kW	1.5
	220/230V	kW	3
	380/440V	kW	5.5
Three-phase AC23A	220/230V	kW	6.5
	380/440V	kW	11
	500/690V	kW	11
Single-phase AC23A	110V	kW	1.5
	220/230V	kW	3.7

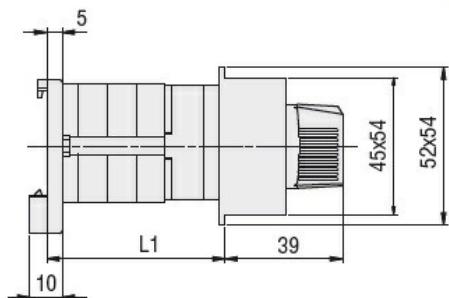
	380/440V	kW	5.5
Rated operational current in DC			
DC21A			
48V	A	25	
60V	A	25	
110V	A	4	
220V	A	0.7	
DC23A (poles in series)			
24V	A	25 (1)	
48V	A	25 (2)	
60V	A	25 (3)	
110V	A	12 (3)	
220V	A	10 (4)	
DC13			
24V	A	25	
48V	A	20	
60V	A	16	
110V	A	1.5	
220V	A	0.4	
Power dissipation		W	1.1
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
Conductor size			
AWG - Rigid cable			
min	AWG	20	
Max	AWG	10	
AWG - Flexible cable			
min	AWG	20	
Max	AWG	12	
Conductor size (IEC) - Flexible cable			
min	mm ²	0.5	
Max	mm ²	4	
Conductor size (IEC) - Rigid cable			
min	mm ²	0.5	
Max	mm ²	4	
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
120V	HP	3	
240V	HP	5	
480V	HP	10	
600V	HP	15	
for single-phase motor			
120V	HP	1.5	
240V	HP	3	
Ambient conditions			
Temperature			
Operating temperature			
min	°C	-25	
max	°C	+55	
Storage temperature			
min	°C	-40	

Resistance & Protection

Frontal IP degree **IP40**

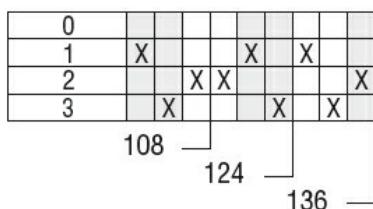
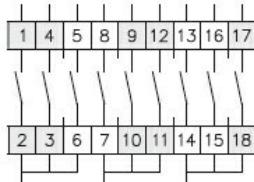
Terminals IP degree **IP00**

Dimensions



Series	L1		
	1	2	3
7GN12	38.1	47.8	57.5
7GN20	38.1	47.8	57.5
7GN25	42.5	56.1	69.7

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001029 -
Selector switch,
complete