

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 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	25	
	UL/CSA	A	30	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	25	
	15kA	A	25	
	25kA	A	25	
Rated short time current I_{cw}	1s	A	400	
Conductivity				10/5 mA/V
Operational current I_e 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	

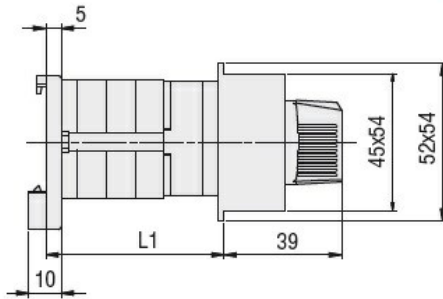
		380/440V	kW	5.5
Rated operational current in DC				
DC21A				
		48V	A	25
		60V	A	25
		110V	A	4
		220V	A	0.7
DC23A (poles in series)				
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
DC13				
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power dissipation			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	

max °C +70

Resistance & Protection

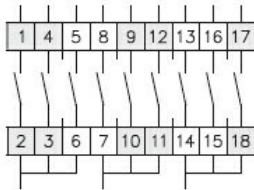
Frontal IP degree	IP40
Terminals IP degree	IP00

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



0									
1	X			X		X			
2			X	X					X
3		X				X		X	

108 —
124 —
136 —

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