

Product designation	Rotary cam switches		
Product type designation	7GN25		
General characteristics			
Switching diagram	13 - Dahlander motor control switch 1-0-2		
N° of elements	4		
Mounting form	O48 - Modular service cover for 35mm din rail mounting with black handle		
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	25 30
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	25 25 25
Rated short time current Icw	1s	kA	400
Conductivity	10/5 mA/V		
Operational current Ie IEC/EN			
AC1/AC21A		A	25
AC15	110V 220/230V 380/400V 660/690V	A A A A	16 12 8 2
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	5.5 7.5 7.5
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	1.5 3 5.5
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	6.5 11 11
Single-phase AC23A	110V	kW	1.5

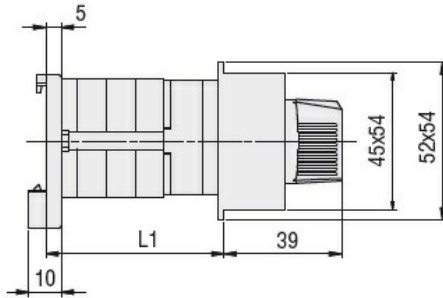
		220/230V	kW	3.7
		380/440V	kW	5.5
Rated operational current in DC				
DC21A				
		48V	A	25
		60V	A	25
		110V	A	4
		220V	A	0.7
DC23A (poles in series)				
		24V	A	25 (1)
		48V	A	25 (2)
		60V	A	25 (3)
		110V	A	12 (3)
		220V	A	10 (4)
DC13				
		24V	A	25
		48V	A	20
		60V	A	16
		110V	A	1.5
		220V	A	0.4
Power 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

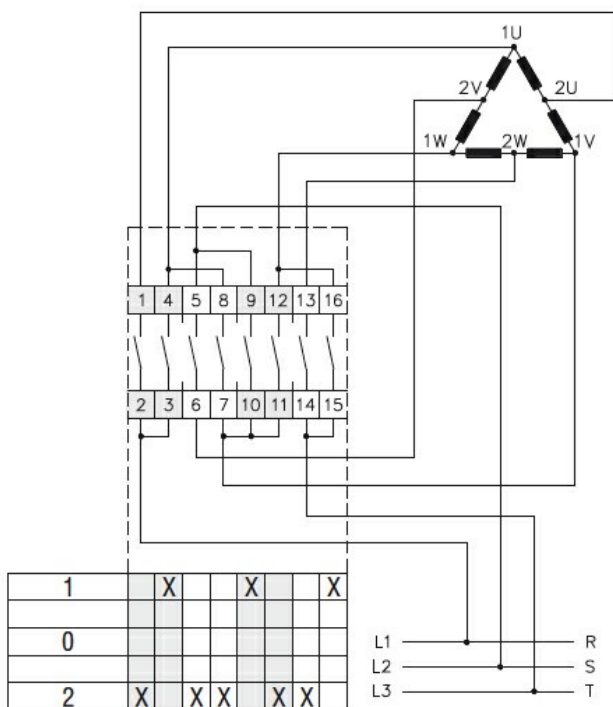
Frontal IP degree	IP40
Terminals IP degree	IP00

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



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
----------	--