

Product designation	Rotary cam switches		
Product type designation	7GN25		
<b>General characteristics</b>			
Switching diagram	13 - Dahlander motor control switch 1-0-2		
N° of elements	4		
Mounting form	O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers		
<b>Contact characteristics</b>			
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
<b>Rated operational current in DC</b>			
DC21A			
	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
<b>DC23A (poles in series)</b>			
	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
<b>DC13</b>			
	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
<b>Power dissipation</b>		W	1.1
<b>Mechanical features</b>			
<b>Terminals screw</b>			M3.5
<b>Tightening torque for terminals max</b>		Nm	0.8
<b>Conductor size</b>			
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 <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	0.5
	Max	mm <sup>2</sup>	4
<b>Mechanical life</b>		cycles	5x10 <sup>6</sup>
<b>UL technical data</b>			
<b>Motor power for direct-on-line control</b>			
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
<b>Ambient conditions</b>			
<b>Temperature</b>			
Operating temperature			
	min	°C	-25
	max	°C	+55

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Storage temperature

min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree

IP40

Terminals IP degree

IP00

ETIM classification

ETIM 8.0

EC001029 -  
Selector switch,  
complete