

7GN1219O98

Product designation			Rotary cam switches 7GN12
Product type designation General characteristics			7GN12
Switching diagram			19 - Dahlander motor control switch 0-1-2
N° of elements			4
Mounting form			O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection covers
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
	IEC/EN UL/CSA	A A	16 15
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	16 10 10
Rated short time current Icw			
	1s	kA	200 10/5 mA/V
Conductivity Operational current le IEC/EN			10/5 MA/ V
AC1/AC21A		A	16
AC15			
	110V 220/230V 380/400V 660/690V	A A A	10 8 4 1.5
Rated operational power in AC	000/090 v		1.5
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	2.5 4 5.5
Single-phase AC-3	000,000 v		
	110V 220/230V 380/440V	kW kW kW	0.8 1.5 2.2
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	3 5.5 7.5
Single-phase AC23A	000/0307	IX V V	1.0

7GN1219O98



		110V	kW	0.8
		220/230V	kW	1.7
		380/440V	kW	3
Rated operational cur				
	DC21A			
		48V	A	12
		60V	A	12
		110V	A	4
		220V	Α	0.6
		440V	A	0.25
	DC23A (poles in series)	2 1) /		
		24V	A	10 (1)
		48V	A	10 (2)
		60V 110V	A	10 (3)
		220V	A	5 (3) 5 (4)
	DC13	2200	A	5 (4)
	DC13	24V	А	12
		24 V 48 V	A	10
		48V 60V	A	8
		110V	A	1
		220V	A	0.4
		440V	A	0.15
Power dissipation		1101	W	0.8
Mechanical features			vv	0.0
Terminals screw				M3
Tightening torque for t	terminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable		-	
		min	AWG	20
		Max	AWG	14
	Conductor size (IEC) - Flexible cable			
	х, <i>у</i>	min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			
	· · ·	min	mm²	0.5
		Max	mm²	2.5
Mechanical life			cycles	3x10 ^e
UL technical data				
Motor power for direct	t-on-line control			
	for three-phase motor			
		120V	HP	1.5
		240V	HP	3
	for single-phase motor			
		120V	HP	0.5
		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55

7GN1219O98



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