



ENERGY AND AUTOMATION

Switching diagram Switching diagram Switching diagram Switching diagram Switching diagram Switch with spring return Switch with spring and protection Switch with	Product designation Product type designation	on			Rotary cam switches 7GN40
Switching diagram 25 - 1-phase and proteoring switch with spring switch with spring return N° of elements 2 2098 - Rear 2098 - Rea					7 511 10
Mounting form Section Section					motor reversing switch with spring
Mounting form mounting with redyellow handle padlockable in 0, door coupling and protection covers Contact characteristics Rated insulation voltage Ui IEC/EN U/CSA V 600 Rated insulation voltage Uimp kV 6 Conventional free air thermal current lth IEC/EN A 4 0 LEC/EN A 50 Rated operational voltage kV 4 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection in (gG) 10kA A 40 A 10kB A 40 15kA A 40 A 40 Each A A 40 A 4 40 Each A A 40	N° of elements				2
Rated insulation voltage Uimp					mounting with red/yellow handle padlockable in 0, door coupling and protection
IEC/EN V 690					
Conventional free air thermal current lth	Rated insulation voltage	e UI			
IEC/EN	Rated impulse withstan	d voltage Uimp		kV	6
Rated operational voltage	Conventional free air th	ermal current Ith			
Rated operational impulse voltage	Rated operational volta	ae	02/00/1		
10kA				kV	
15kA	Maximum fuse size for	short-circuit protection In (gG)			
Rated short time current lcw			15kA 25kA 50kA	A A A	40 40 40
Conductivity	Rated short time currer	nt Icw			_
AC1/AC21A			1s	kA	1000
AC1/AC21A AC15 110V A 25 220/230V A 22 380/400V A 12 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 3 220/230V kW 6.5 380/440V kW 6.5 380/440V kW 8	Conductivity				10/5 mA/V
AC15 110V A 25 220/230V A 22 380/400V A 12 660/690V A 2 Rated operational power in AC Three-phase AC-3 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A	Operational current le I			•	40
110V		AC15		A	40
Rated operational power in AC Three-phase AC-3 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A		A010	220/230V	Α	22
Three-phase AC-3 220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A			660/690V	Α	2
220/230V kW 8 380/440V kW 15 500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A	Rated operational power				
500/690V kW 15 Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A		Three-phase AC-3			
Single-phase AC-3 110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A					
110V kW 3 220/230V kW 6.5 380/440V kW 8 Three-phase AC23A		Single-phase AC-3	500/690V	KVV	15
220/230V kW 6.5 380/440V kW 8 Three-phase AC23A		Single-phase AC-3	110\/	kW	3
Three-phase AC23A					
Three-phase AC23A					
		Three-phase AC23A		kW	



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		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A	000/0001	1000	
	Single-phase AO23A	440)/	1.147	0
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rrent in DC			
	DC21A			
		48V	Α	40
		60V	Α	40
		110V	A	6
		220V	Α	0.9
	DC23A (poles in series)			
		24V	Α	40 (1)
		48V	Α	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13	ZZU V		1 4 (¬)
	DOTO	0.07	۸	40
		24V	A	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for	terminals may		Nm	1.2
Conductor size	terrilinais max		INIII	1.2
Conductor Size	AWO 51 1 1			
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	Wilde	7	
	Conductor Size (ILC) - I TEXIDLE CADIE	noi-	mm²	1.5
		min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 ⁶
UL technical data			•	
Motor power for direct	t-on-line control			
	for three-phase motor			
	ioi iiiiee-piiase iiioioi	40017	LID	E
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			
		120V	HP	2
		240V	HP	5
Ambient conditions		Z4UV	CIP.	J
Ambient conditions				
Temperature				
	Operating temperature			

Operating temperature





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	min	°C	-25
	max	°C	+55
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