



ENERGY AND AUTOMATION

Ceneral characteristics 7GM12 Ceneral characteristics 33 - Chanapeover switch 3 poles - 2 speed motor starting with separate windings N° of elements 3 Mounting form P25 - Plastic enclosure with redyellow handle enclosure handle enclosure with redyellow handle enclosure handle enclosure with redyellow handle e	Product designation				Enclosed rotary cam switch
Switching diagram					7GN12
Mounting form P25 - Plastic enclosure with red/yellow handle					switch 3 poles - 2 speed motor starting with separate
Mounting form	N° of elements				3
Rated insulation voltage Ui					enclosure with
Conventional free air thermal current lth					
Conventional free air thermal current Ith			= :	V	600
IEC/EN		·		kV	6
Rated operational impulse voltage Rated operational impulse voltage Rated short-circuit protection In (gG) 10kA	Conventional free air th	ermal current Ith			
Maximum fuse size for short-circuit protection In (gG) 10kA A 16 15kA A 10 25kA A 10 25kA A 10 Rated short time current Icw 1s kA 200 Conductivity 1s kA 200 Conductivity AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC23A 110V kW 0.8 220/230V kW 0.8 220/230V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A Solution of the control of t	Rated operational volta	ge		V	480
10kA	Rated operational impulse voltage			kV	4
Rated short time current Icw	Maximum fuse size for	short-circuit protection In (gG)	10kA	Α	16
Rated short time current lcw			15kA	Α	10
1s			25kA	Α	10
Operational current le IEC/EN AC1/AC21A AC15 110V A 10 220/230V A 8 380/400V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A	Rated short time currer	nt Icw	1s	kA	200
AC1/AC21A AC15 AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 5.5 Single-phase AC23A	Conductivity				10/5 mA/V
AC15 110V A 10 220/230V A 8 380/400V A 4 660/690V A 1.5 Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 0.8 220/230V kW 1.5 380/440V kW 1.5 380/440V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 Single-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5	·				
110V		72.2		A	16
Rated operational power in AC		AC15	220/230V	Α	8
Rated operational power in AC Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5 Single-phase AC23A					
Three-phase AC-3 220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A	Data Lancational an		660/690V	Α	1.5
220/230V kW 2.5 380/440V kW 4 500/690V kW 5.5 Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A	Rated operational power				
Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A		Three-phase AC-3			
Single-phase AC-3 110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A					
110V kW 0.8 220/230V kW 1.5 380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A		Single-phase AC-3			
380/440V kW 2.2 Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A		<u> </u>	110V	kW	0.8
Three-phase AC23A 220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A			220/230V	kW	1.5
220/230V kW 3 380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A			380/440V	kW	2.2
380/440V kW 5.5 500/690V kW 7.5 Single-phase AC23A		Three-phase AC23A			_
Single-phase AC23A 500/690V kW 7.5					
Single-phase AC23A					
· ·		Single phase AC22A	500/690V	KVV	1.5
		Single-phase AC23A	110V	kW	0.8



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		220/230V	kW	1.7
		380/440V	kW	3
Rated operational curr				
	DC21A	40)/		40
		48V	Α	12
		60V	A	12
		110V	A	4
		220V	A	0.6
	B0004 (1 : : :)	440V	Α	0.25
	DC23A (poles in series)	0.417	۸	40 (4)
		24V	A	10 (1)
		48V 60V	A	10 (2)
			A	10 (3)
		110V 220V	A	5 (3)
	DOAO	2200	A	5 (4)
	DC13	241/	٨	40
		24V	A	12
		48V	A	10
		60V	A	8
		110V	A	1
		220V	A	0.4
		440V	Α	0.15
Power dissipation			W	0.8
Mechanical features				MO
Terminals screw				M3
Tightening torque for t	erminals max		Nm	0.5
Conductor size				
	AWG - Rigid cable			
		min	AWG	20
		Max	AWG	12
	AWG - Flexible cable			
		min	AWG	20
	0 1 (50) 5 11	Max	AWG	14
	Conductor size (IEC) - Flexible cable		2	
		min	mm²	0.5
		Max	mm²	2.5
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	0.5
March 2 2 1 22		Max	mm²	2.5
Mechanical life			cycles	3x10 ⁶
UL technical data	Lan line control			
Motor power for direct				
	for three-phase motor	10011	UB	4.5
		120V	HP	1.5
		240V	HP	3
		480V	HP	50
		600V	HP	40
	for single-phase motor	400:	. In	0.5
		120V	HP	0.5
A 1		240V	HP	1
Ambient conditions				
Temperature				
	Operating temperature	_	2-	0.5
		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