



ENERGY AND AUTOMATION

Product type designation   School characteristics   Switching diagram   Switching with rectyrelong with	Product designation				Rotary cam switches
Switching diagram         11-3-phase motor reversing switch           N° of elements         3           Wonderstand         O98 - Rear mounting with redylyellow handle padlockable in of coupling and protection coverts           Contact characteristics           Rated insulation voltage Ui         IEC/EN UL/CSA V 600           Rated impulse withstand voltage Uimp         kV         6           Conventional free air thermal current Ith         IEC/EN A 400         A 50           Rated operational voltage         kV         4           Maximum fuse size for short-circuit protection In (gG)         10kA A 40         A 40           Rated short time current lcw         15kA A 40         A 40           Rated short time current lcw         1s kA 1000         A 40           Rated short time current le IEC/EN A 1000         A 40         A 40           Conductivity         1s kA 1000         A 25           200/230V A 22         220/230V A 22         A 22           380/400V A 12         660/690V A 2         2           Rated operational power in AC         220/230V kW 8         A 380/40V kW 15           Single-phase AC-3         110V kW 3         A 20/20/230V kW 15           Fine-phase AC-3         110V kW 3         A 20/20/230V kW 6.5           Three-phase AC-3<					7GN40
N° of elements   3					motor reversing
Mounting form   Section   Section	N° of elements				
Rated insulation voltage Uimp	Mounting form				O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling and protection
IEC/EN   V   690					
Conventional free air thermal current lith				V	600
IEC/EN				kV	6
Rated operational voltage   V	Conventional free air th	nermal current Ith			
Rated operational impulse voltage	Rated operational volts	200	UL/C3A		
Maximum fuse size for short-circuit protection In (gG)					
10kA				100	· ·
15kA	11107111101111100	enert enean protection in (ge)	10kA	Α	40
SOKA   A   40   63kA   A   40   60s   A   1000   60s   A   1000   60s   A   1005   60s   A   40   60s   A   40   60s   A   40   60s   A   40   60s   60s   A   40   60s   60s   A   40   60s   60s   60s   60s   A   40   60s   60s   60s   A   40   60s   60s   60s   A   40   60s					
Rated short time current lcw			25kA	Α	40
Rated short time current lcw			50kA	Α	40
1s			63kA	Α	40
Conductivity	Rated short time curre	nt Icw			
Conductivity					
Operational current le IEC/EN  AC1/AC21A  A 40  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			60s	Α	
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 15 Three-phase AC23A		150/51			10/5 mA/V
A 40  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 8 Three-phase AC23A	Operational current le				
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 8  Three-phase AC23A		AC1/AC21A		۸	40
110V   A   25		AC15		A	40
220/230V		ACIS	110\/	Δ	25
380/400V					
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					
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					
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	Rated operational pow	er in AC			
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					
500/690V kW 15 Single-phase AC-3  110V kW 3 220/230V kW 6.5 380/440V kW 8  Three-phase AC23A			220/230V	kW	8
Single-phase AC-3  110V kW 3 220/230V kW 6.5 380/440V kW 8  Three-phase AC23A			380/440V	kW	15
110V kW 3 220/230V kW 6.5 380/440V kW 8  Three-phase AC23A			500/690V	kW	15
220/230V kW 6.5 380/440V kW 8 Three-phase AC23A		Single-phase AC-3			
Three-phase AC23A					
Three-phase AC23A					
		Three phase AC22A	38U/44UV	KVV	0
		THEE-phase AC23A	220/230V	kW	8



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		380/440V	kW	18.5
		500/690V	kW	22
	Single-phase AC23A	000,0001		
	Single-phase AO23A	440)/	1.3.47	0
		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational cur	rent 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	A	12 (4)
	DC13	ZZU V	Α	1 <b>4</b> (¬)
	DCI3	241	Δ.	40
		24V	Α	40
		48V	Α	32
		60V	Α	16
		110V	Α	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
	torminals may		Nm	1.2
Tightening torque for	terrilliais max		INIII	1.2
Conductor size				
	AWG - Rigid cable			
		min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	O I ( /IEO) Fig. 11 I.	IVIAA	AVVG	10
	Conductor size (IEC) - Flexible cable			4 =
		min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable			
		min	mm²	1.5
		Max	mm²	10
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			0 y 0103	
	t on line control			
Motor power for direc				
	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		600V	HP	20
	for single-phase motor			-
	Tot single phase motor	1201/	ПD	2
		120V	HP	2
A 11		240V	HP	5
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