

Product type designation	Product designation				Rotary cam switches
Switching diagram	Product type designation	on			
Switching diagram 25 - 1-phase motor reversing switch with spring return N° of elements 2 Mounting form O - Rear mounting with black handle Contact characteristics Rated insulation voltage UI IEC/EN V 690 Rated impulse withstand voltage Uimp kV 600 Rated impulse withstand voltage Uimp kV 600 Conventional free air thermal current Ith IEC/EN A 63 LIEC/EN A 600 A 63 UL/CSA A 60 Bul/CSA A 60 Rated operational voltage kV 4 Rated operational impulse voltage kV 4 Maximum fuse size for short-circuit protection In (gG) 10kA A 63 15kA A 63 63kA A 63 25kA A 63 63kA A 63 25kA A 63 63kA A 63 Rated short time current lcw 1s A 1600 Conductivity 1s A 260 Operational current le IEC/EN A 22 AC15 110V A 32 220/230V A 25 380/40V V W 15 AC16 220/230V KW 15 Rated operational power in AC 220/230V KW 16.5					7 5 1 100
Mounting form	Switching diagram				motor reversing switch with spring
Mounting form September	N° of elements				2
Rated insulation voltage Ui	Mounting form				mounting with
Rated impulse withstand voltage Uimp					
Rated impulse withstand voltage Uimp	Rated insulation voltag	e Ui			
Conventional free air thermal current Ith					
IEC/EN	Rated impulse withstar	nd voltage Uimp		kV	6
Rated operational voltage	Conventional free air th	nermal current Ith			
Rated operational voltage				Α	
Rated operational impulse voltage			UL/CSA		
Maximum fuse size for short-circuit protection In (gG)	· · · · · · · · · · · · · · · · · · ·	<u> </u>		-	
10kA				kV	4
15kA	Maximum fuse size for	short-circuit protection In (gG)			
State Stat					
SOKA A 63 63KA A 63 63 63KA A 63 63 63 63 63 63 63					
Rated short time current Icw 1s					
Rated short time current low					
1s			63kA	Α	63
AC1/AC21A	Rated short time curre	nt Icw	1s	Α	1600
AC1/AC21A AC15 AC15 110V A 32 220/230V A 25 380/400V A 15 660/690V A 4 Rated operational power in AC Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 18.5 Three-phase AC-3 220/230V kW 18.5 500/690V kW 18.5 Three-phase AC-3 220/230V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30	Conductivity				10/5 mA/V
A 63 AC15 110V A 32 220/230V A 25 380/400V A 15 660/690V A 4 Rated operational power in AC Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 15.5 Single-phase AC-3 110V kW 3.7 220/230V kW 15.5 Three-phase AC23A 220/230V kW 15.5 Single-phase AC23A 220/230V kW 15.5 Three-phase AC23A 220/230V kW 15.5 AB0/440V kW 30 500/690V kW 30	Operational current le	IEC/EN			
AC15 110V A 32 220/230V A 25 380/400V A 15 660/690V A 4 Rated operational power in AC Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 15.5 Three-phase AC-3 220/230V kW 15.5 500/690V kW 15.5 Three-phase AC-3 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30		AC1/AC21A			
110V				Α	63
Rated operational power in AC		AC15			
Rated operational power in AC Three-phase AC-3					
Rated operational power in AC Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30					
Rated operational power in AC Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30					
Three-phase AC-3 220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30	B		660/690V	Α	4
220/230V kW 11 380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30	Rated operational pow				
380/440V kW 18.5 500/690V kW 18.5 Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30		Inree-phase AC-3	220/2201/	1.1.0.7	44
Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 11.5 12.5 380/440V kW 30 500/690V kW 30 30 12.5 300/690V kW 30 30 300/690V kW 30 300/690V kW 30 30 300/690V kW 30 30 300/690V kW 30 300/690V kW 30 300/690V 300/					
Single-phase AC-3 110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30					
110V kW 3.7 220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30		Single-phase AC-3	300/090 V	KVV	10.5
220/230V kW 6.5 380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30		origio priaso Ao-s	110\/	k\/\/	3.7
380/440V kW 11.5 Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30					
Three-phase AC23A 220/230V kW 12.5 380/440V kW 30 500/690V kW 30					
220/230V kW 12.5 380/440V kW 30 500/690V kW 30		Three-phase AC23A	300/1101		
380/440V kW 30 500/690V kW 30			220/230V	kW	12.5
500/690V kW 30					
		Single-phase AC23A			_



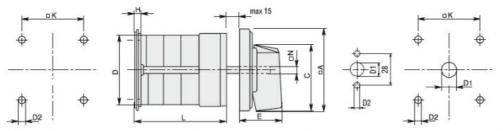
		110V	kW	3.7
		220/230V	kW	7.5
		380/440V	kW	12.5
Rated operational cu	rrent in DC			
	DC21A			
		48V	Α	63
		60V	A	
				50
		110V	Α	8
		220V	Α	1
	DC23A (poles in series)			
	(1	24V	Α	50 (1)
		48V	Α	50 (2)
		60V	Α	50 (3)
		110V	Α	25 (3)
		220V	Α	15 (4)
	DC13		- ' '	(.)
	DOTS	2411		00
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V		3.3
D		1100	Α	
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	terminals may		Nm	2
	terriiriais max		1 1111	
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable	THOR	71110	
	AVVG - Flexible Cable			
		min	AWG	14
		Max	AWG	8
	Conductor size (IEC) - Flexible cable			
	()	min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	16
Mechanical life		IVICA		
			cycles	5x10 ⁶
UL technical data				
Motor power for direct	ct-on-line control			
÷	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
	ioi singie-priase motor	40017	LID	2
		120V	HP	3
		240V	HP	10
Ambient conditions				
Temperature				
romporaturo	Operating temperature			
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
	Cicrago torriporataro			



min °C -40 max °C +70

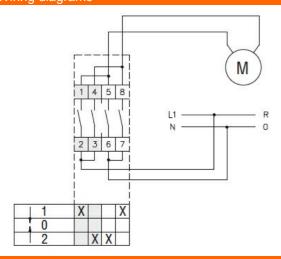
Resistance & Protection	
Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions



Series	Dimensions							L Number of elements												
	□A	С	ØD	ØD2	Е	Н	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN20	48	39.5	39	5	26.5	5	36	6	38.1	47.8	57.5	67.2	76.9	86.6	96.3	106	115.7	125.4	135.1	144.8
7GN25	48	39.5	43	5	26.5	5	36	6	42.5	56.1	69.7	83.3	96.9	110.5	124.1	137.7	151.3	164.9	178.5	192.1
7GN32	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN40	65	53	58	5	34.5	5.5	48	7	48.5	63.6	78.7	93.8	108.9	124	139.1	154.2	169.3	184.4	199.5	214.6
7GN63	65	53	62	6	34.5	7.5	68	7	53.3	71.4	89.5	107.6	125.7	143.8	161.9	180	198.1	216.2	234.3	252.4
7GN125	90	70.5	86	6	41.4	7.5	68	9	74.8	103.9	133	162.1	191.2	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification





ETIM 8.0

EC001029 -Selector switch, complete