

7GN125135U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation module and solutions of the solution of th					Rotary cam
General characteristics 135 - Multi-step 0.1-2 3 poles N° of elements 3 Mounting form U - Front mounting with back handle Contact characteristics UULCSA Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN V Conventional free air thermal current Ith IEC/EN A Rated operational impulse voltage KV 6 Conventional free air thermal current Ith IEC/EN A Rated operational impulse voltage KV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 10kA A 125 15KA A 100 25KA A 100 25KA A 100 25KA A 100 25KA A 100 60/kegov A 125 100 / Conductivity 10/5 mA/V 00 0perational current Icw 1 A 125 Act15 110V A 4 <	-				switches
Switching diagram 135 - Mulli-Step 0-1-2 3 pole N° of elements 3 Mounting form mounting with black handle Contact characteristics mounting with black handle Rated insulation voltage UI IEC/EN V Rated insulation voltage UImp KV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage V 690 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage KV 6 6 Conventional inpulse voltage KV 6 6 Maximum fuse size for short-circuit protection In (gG) 10KA A 125 15KA A 100 5 6 Conductivity 100 / 5 A/V 0 Operational current Icw 1s A 2100 Conductivity 10/5 mA/V 0 Quertaboral power in AC 110/5 M/V 0 220/230V A 15					7GN125
Switching Gagram 0-1-2.3 poles N° of elements 3 Mounting form U - Front mounting with black handle Contact characteristics ULCSA Rated inpulse withstand voltage Uimp KV ECrem V Generational voltage Uimp KV Conventional free air thermal current Ith IEC/EN X Rated operational impulse voltage KV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational impulse voltage KV 6 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 63kA A 100 Conductivity 10kA A 125 10kA A 125 Conductivity 10/5 mA/V 00 25kA A 100 63kA A 100 Conductivity 10/5 mA/V 00 220/230V A 28 380/40V A 15 Actis 110V	General characteristics				125 Multi stop
Mounting form U - Front mounting with black handle Contact characteristics itex handle Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage V 690 6 Rated operational impulse voltage KV 6 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 50kA A 100 25kA A 100 50kA A 100 Conductivity 1s A 2100 60/txA 100 Conductivity 1s A 2100 660/e90V A 25 Rated operational power in AC 15 660/e90V A 15 200/230V KW 15 380/440V KW 33 Single-phase AC-3 110V KW 5 220/230V KW	Switching diagram				•
Mounting form mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated insulation voltage Uip KV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage V 690 6 Rated operational voltage V 6 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 25kA A 100 Conductivity 1s A 2100 200/230V A 100 Conductivity 1s A 2100 220/230V A 15 AC1/AC21A A 125 380/400V A 15 AC1/AC21A A 125 380/400V A 15 Rated operational power in AC Three-phase AC-3 110V KW 5 22	N° of elements				
Data characteristics black handle Rated insulation voltage Ui IEC/EN V 600 Rated insulation voltage Uimp kV 6 600 Conventional free air thermal current Ith IEC/EN A 125 Rated operational impulse voltage kV 6 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 60kA A 100 63kA A 100 Conductivity 10/5 mA/V 00 60kA A 100 Conductivity 10/5 mA/V 00 660/690V A 15 AC1/AC21A A 125 300/400V A 15 Actis 110V A 40 220/230V XW 33 Single-phase AC-3 110V A 40 220/230V XW 33 Single-pha					
Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated inpulse withstand voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 125 Conventional ree air thermal current Ith IEC/EN A 130 Rated operational voltage V 680 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 50kA A 100 Conductivity 10/5 mA/V 00 50kA A 100 Conductivity 1/5 A 2100 10/5 mA/V 0 220/230V A 40 220/230V KW 18.5 380/440V A 15 660/690V A 5 380/440V	Mounting form				
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IEC/EN V 680 UL/CSA Rated impulse withstand voltage Uimp kV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational voltage V 690 600 Rated operational impulse voltage V 690 600 Rated operational impulse voltage V 690 600 Rated operational impulse voltage V 690 600 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 Rated short time current Icw 1s A 2100 Conductivity 10/5 mA/V Operational current Ic IEC/EN A 125 A A 125 AC1/AC21A 220/230V A 40 220/230V A 15 Gated operational power in AC Three-phase AC-3 220/230V KW 33 33 Single-phase A					
UL/CSA V 600 Rated impulse withstand voltage Uimp KV 6 Conventional free air thermal current lth IEC/EN A 125 Rated operational voltage V 690 6 Rated operational impulse voltage KV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 Conductivity 10kA A 125 15kA A 100 Conductivity 10/5 mA/V 00 63kA A 100 Conductivity 10/5 mA/V 00/5 mA/V 0 220/230V A 28 AC1/AC21A A 125 110V A 40 220/230V A 28 AC1/AC21A A 125 360/400V A 15 Geologeney AC5 360/400V KW 33 Ra			IEC/EN	V	690
Conventional free air thermal current lth IEC/EN A 125 Rated operational voltage V 690 Rated operational impulse voltage KV 6 Maximum fuse size for short-circuit protection ln (gG) 10kA A 125 15kA A 100 25kA A 100 Rated short time current lcw 1s A 2100 0 Conductivity 1s A 2100 0 0/5 mA/V 0 Operational current lcW 1s A 125 15 kA A 100 60/00/00 A 10/5 mA/V 0 220/230V KW 8 380/400V A 125 36/4A 100 15 66/0690V A 5 38/440V kW 15 38/0440V KW 15 38/0440V 11 38/0440V 11 38/0440V 11 38/0440V KW 15 5 38/0440V KW 15 5 5 38/0440V KW 15 5 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
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UL/CSA A 130 Rated operational impulse voltage V 690 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 63kA A 100 63kA A 100 Rated short time current lcw 1s A 2100 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 125 AC15 AC15 AC15 A 125 Rated operational power in AC Three-phase AC-3 110V A 40 220/230V A 28 380/400V A 15 660690V A 5 Rated operational power in AC 110V KW 37 500/690V KW 33 Single-phase AC-3 110V KW 5 220/230V KW 11 380/440V KW 15 380/440V <td></td> <td></td> <td></td> <td></td> <td></td>					
Rated operational voltage V 690 Rated operational impulse voltage kV 6 Maximum fuse size for short-circuit protection ln (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 63kA A 100 63kA A 100 Conductivity 1s A 2100 Conductivity 00/5 mA/V Operational current let IEC/EN AC1/AC21A A 125 AC15 10V A 40 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 110V KW 5 380/440V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 15 <td< td=""><td></td><td></td><td>IEC/EN</td><td>А</td><td>125</td></td<>			IEC/EN	А	125
Rated operational impulse voltage kV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 50kA A 100 63kA A 100 50kA A 100 Rated short time current lcw 1s A 2100 00 Conductivity 1s A 2100 00 Qperational current le IEC/EN AC1/AC21A A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 5 5 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 10 380/440V kW <td></td> <td></td> <td>UL/CSA</td> <td>А</td> <td>130</td>			UL/CSA	А	130
Maximum fuse size for short-circuit protection ln (gG) 10kA A 125 15kA A 100 25kA A 100 25kA A 100 63kA A 100 Rated short time current lcw 1s A 2100 0 Conductivity 1s A 2100 0 Qperational current le IEC/EN A 125 A A AC1/AC21A A 125 A A 125 AC15 110V A 40 220/230V A 28 380/40V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V KW 18.5 380/440V kW 37 Single-phase AC-3 110V KW 5 220/230V<	· · · · · · · · · · · · · · · · · · ·				690
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15kA A 100 25kA A 100 50kA A 100 63kA A 100 63kA A 100 Conductivity 1s A 2100 Operational current le IEC/EN 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/400V kW 33 3 5 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 15 Three-phase AC23A 220/230V kW 45 5 500/690V	Maximum fuse size for short-	circuit protection In (gG)			
25kA A 100 S0kA A 100 Rated short time current Icw 1s A 2100 Conductivity 10/5 mA/V 10/5 mA/V Operational current Ic IEC/EN AC1/AC21A A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 S Rated operational power in AC Three-phase AC-3 15 5 Rated operational power in AC Three-phase AC-3 110V KW 18.5 3 Single-phase AC-3 110V KW 5 1 3 3 3 Single-phase AC-3 110V KW 5 1 3 <td></td> <td></td> <td></td> <td></td> <td></td>					
S0kA A 100 Rated short time current low 1s A 2100 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 125 AC1/AC21A A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 33 3 3 3 Single-phase AC-3 110V KW 5 220/230V kW 11 380/440V kW 15 11 11 11 11 11 380/440V kW 15 11 15 11 15 Three-phase AC23A 220/230V kW 15 15 15 15 Three-phase AC23A 220/230V kW 37					
63kA A 100 Rated short time current lcw 1s A 2100 Conductivity 10/5 mA/V 00 Operational current le IEC/EN AC1/AC21A 10/5 mA/V AC15 110V A 40 220/230V A 28 380/400V A 15 Rated operational power in AC 660/690V A 5 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 33 3 5 Rated operational power in AC 110V kW 33 Single-phase AC-3 220/230V kW 18.5 380/440V kW 33 5 Three-phase AC-3 110V kW 5 Three-phase AC23A 220/230V kW 11 380/440V kW 15 5 Three-phase AC23A 220/230V kW 30 380/440V kW 35 380/440V 80 <td></td> <td></td> <td></td> <td></td> <td></td>					
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Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 33 3 3 3 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 5 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 5 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 37 Single-phase AC23A 380/440V kW 37 30/690V 37 35 Single-phase AC23A <	Rated short time current icw		15	Δ	2100
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AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 110V kW 5					
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220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 35 Single-phase AC23A Single-phase AC23A Single-phase AC23A	AC1	5			
380/400V A 15 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC-3 110V kW 15 11 380/440V kW 15 15 15 Three-phase AC23A 220/230V kW 30 380/440V kW 37 Single-phase AC23A 220/230V kW 30 380/440V kW 37 Single-phase AC23A 110V kW 37 30 380/440V kW 37			110V	А	40
660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 360/440V kW 45 Single-phase AC23A 220/230V kW 37 37 Single-phase AC23A 110V kW 30 380/440V kW 45 500/690V kW 37 37 37 37			220/230V	А	28
Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 37 37 37 Single-phase AC23A 110V kW 37 30 380/440V kW 37 Single-phase AC23A 110V kW 5 37 37					
Three-phase AC-3 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5 Single-phase AC23A 110V kW 5			660/690V	A	5
220/230V kW 18.5 380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 45 500/690V kW 37					
380/440V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5	Thre	e-phase AC-3	000/0001/	1.147	40 5
500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5					
Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5					
110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5	Sing	le-phase AC-3	500/090V	K V V	55
220/230V kW 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5	Sing		110\/	kW	5
380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5					
Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5					
220/230V kW 30 380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5	Thre	e-phase AC23A			
500/690V kW 37 Single-phase AC23A 110V kW 5		-	220/230V	kW	30
Single-phase AC23A 110V kW 5			380/440V	kW	
110V kW 5			500/690V	kW	37
	Sing	le-phase AC23A			
220/230V kW 11					
			220/230V	кW	11

7GN125135U

ENERGY AND AUTOMATION

7GN125135U ROTARY CAM SWITCH 7GN SERIES, MULTI-STEP 0-1-2, 3 POLES 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

		380/440V	kW	15
Rated operational cu	irrent in DC			
	DC21A			
		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	2414	•	
		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V 220V	A	50 (3) 20 (4)
	D042	2200	A	20 (4)
	DC13	241/	٨	105
		24V 48V	A	125
			A	100
		60V	A	50
Dowor dissingtion		110V	A	4
Power dissipation Mechanical features			W	6.3
Terminals screw				M2X5
	torminala may		Nm	2
Tightening torque for Conductor size			INITI	2
Conductor size	AWC Bigid apple			
	AWG - Rigid cable	min	AWG	14
			AWG	
	AWG - Flexible cable	Max	AWG	1/0
	AWG - Flexible cable	min		1 /
		min	AWG	14
	Conductor size (IEC) Elevible coble	Max	AWG	1/0
	Conductor size (IEC) - Flexible cable	min	ma ma 2	0 F
		min	mm²	2.5
	Conductor size (IEC) Disid cable	Max	mm²	50
	Conductor size (IEC) - Rigid cable			0.5
		min	mm²	2.5
Machanicallife		Max	mm²	50
Mechanical life UL technical data			cycles	1X10 ⁶
Motor power for dire	et en line control			
	for three-phase motor			
	101 11166-1110101	120V	HP	15
		120V 240V	нР НР	25
		240V 480V	HP	25 50
		480V 600V	нР НР	40
	for single-phase motor	0007	ΠΓ	+v
	for single-phase motor	120V	HP	5
		120V 240V	HP	5 15
Ambient conditions		240 V	1.11.	
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature	тах	0	
		min	°C	-40
		max	°C	+70
		max	5	

7GN125135U

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



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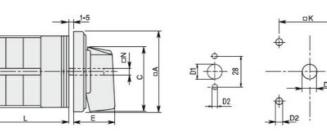
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Resistance & Protection

Frontal IP degree

Terminals IP degree

Dimensions



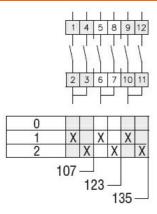
Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

IP40

IP00

Series Dimensions							L Number of elements														
Series	□A	С	ØD	ØD1	ØD2	Е	ØG	□K	□N	1	2	3	4	5	6	7	8	9	10	11	12
7GN12	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN20	48	39.5	39	12	5	26.5	38	36	6	36.1	45.8	55.5	65.2	74.9	84.6	94.3	104	113.7	123.4	133.1	142.8
7GN25	48	39.5	43	12	5	26.5	38	36	6	40.5	54.1	67.7	81.3	94.9	108.5	122.1	135.7	147.3	162.9	176.5	190.1
7GN32	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN40	65	53	58	14	5	34.5	58.5	48	7	46.5	61.6	76.7	91.8	106.9	122	137.1	152.2	167.3	182.4	197.5	212.6
7GN63	65	53	62	14	5	34.5	58.5	48	7	50.3	68.4	86.5	104.6	122.7	140.8	158.9	177	195.1	213.2	231.3	249.4
7GN125	90	70.5	86	16	6	41.5	84	68	9	67.3	96.4	125.5	154.6	183.7	220.3	249.4	278.5	307.6	336.7	365.8	394.9

Wiring diagrams



Certifications and compliance

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		
	EAC	
	UL	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch,
		complete

7GN125135U