

7GN125190 ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

Product designation subtracts Product type designation 72N125 Switching diagram 72N125 Switch					Rotary cam
General characteristics 19 - Dahlander motor control switch 0-1-2 N° of elements 4 Mounting form 0. Rear mounting with black handle Contact characteristics mounting with black handle Rated insulation voltage Ui IEC/EN V Rated insulation voltage Ui IEC/EN V Rated insulation voltage Ui IEC/EN A Rated operational voltage V 690 Rated operational voltage KV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA 100 SokA 100 50kA 100 Rated short time current Icw 1s kA 2100 Conductivity 100 4 125 Qoperational current Ic IEC/EN A 125 AC1/AC21A 220/230V A 220/230V Single-phase AC-3	Product designation				
Switching diagram 19 - Dahlander Switching diagram motor control switch 0-1-2 N° of elements 4 Mounting form O - Rear mounting with black handle Contact characteristics 0 Rated insulation voltage Ui IEC/EN V 690 QuitCSA V 600 0 Rated insulation voltage Uimp KV 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational inpulse 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 105 mA/V 005 mA/V 005 mA/V Operational current lew 1s kA 2100 Conductivity 105 mA/V 005 mA/V 005 mA/V Operational current le IEC/EN 220/230V A 40 220/230V A					7GN125
Switching diagram motor control switch 0-1-2 N° of elements 4 Mounting form 0 - Rear mounting with black handle Contlact characteristics mounting with black handle Rated insulation voltage Uin IEC/EN V 690 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 V 690 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 15kA A 100 56kA A 100 6ated short time ourrent Icw 1s kA 2100 00 Conductivity 1s KA 2100 00 68/kA 100 Conductivity 1s KA 2100 05/kA A 15 Conductivity 1s/kA 2100 20/20/20/V A 25 Rated operational power in AC	General characteristics				10 Deblender
Mounting form O - Rear mounting with black handle Contact characteristics mounting with black 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 25kA A 100 Rated short time current Icw 1s kA 2100 00 Conductivity 10/5 mA/V 00 50kA A 100 Rated operational current IcW 1s kA 120 20/230V A 28 AC15 110V A 40 220/230V A 28 AC165 110V A 40 220/230V A 28 Rated operational power in AC 1s <t< td=""><td>Switching diagram</td><td></td><td></td><td></td><td>motor control</td></t<>	Switching diagram				motor control
Mounting form mounting with black handle Contact characteristics Rated insulation voltage Ui IEC/EN V 690 Rated inpulse withstand voltage Uimp KV 6 6 Conventional free air thermal current Ith IEC/EN A 125 Rated operational onlage V 690 690 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 1s kA 2100 Conductivity Conductivity 1s kA 2100 Conductivity Conductivity 1s kA 2100 Conductivity 0/5 mA/V Conductivity 1s kA 2100 Conductivity 15 KA 28 380/400V A 15 Rated operational power in AC 220/230V KW 15	N° of elements				4
IEC/EN V 690 IEC/EN V 690 Rated impulse withstand voltage Uimp KV 6 Conventional ree air thermal current Ith IEC/EN A 125 UL/CSA A 130 Rated operational impulse voltage KV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 A 100 ZEXA A 100 State operational impulse voltage KV 6 Maximum fuse size for short-circuit protection In (gG) 10kA A 125 A 100 Conductivity 10/S mA/V Conductivity 15 kA 2100 Conductivity 10/S mA/V Operational current Icw 1 AC1/AC21A A 125 AC1/AC21A A 120/SOV A 28 380/400V A 220/230V KW 18 KAC1/AC21A AC1/AC21A <t< td=""><td>Mounting form</td><td></td><td></td><td></td><td>mounting with</td></t<>	Mounting form				mounting with
IEC/EN V 690 (UL/CSA Rated impulse withstand voltage Uimp KV 6 Conventional free air thermal current lth IEC/EN A 125 (UL/CSA Rated operational voltage V 690 Rated operational impulse voltage V 690 Rated operational impulse voltage V 690 Rated operational impulse voltage V 690 Rated sport circuit protection ln (gG) 10kA A 125 15kA A 100 50kA A 100 25kA A 100 50kA A 100 Rated short time current lcw 1s kA 2100 220/230V A 10/5 Conductivity 10/5 mA/V 0 220/230V A 28 380/400V A 15 G60/690V A 5 500/690V A 5 500/690V A 5 Rated operational power in AC 110V KW 15 500/690V 5 500/690V 33 <td>Contact characteristics</td> <td></td> <td></td> <td></td> <td></td>	Contact characteristics				
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Rated impulse withstand voltage Uimp kV 6 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 50kA A 100 50kA A 100 63kA A 100 63kA A 100 Rated short time current lcw 1s kA 2100 100 Conductivity 1s kA 125 100 A AC1/AC21A A 125 380/40V A 15 AC15 110V A 40 220/230V A 15 Rated operational power in AC Three-phase AC-3 220/230V KW 13 Single-phase AC-3 110V KW 5 220/230V KW 15 Three-phase AC					
Conventional free air thermal current lth IEC/EN A 125 UL/CSA A 130 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 63kA A 100 Conductivity 1s kA 2100 Conductivity 10/5 mA/V Operational current lcw 1 skA 2100 Conductivity 10/5 mA/V Operational current le IEC/EN A 125 A 10/5 mA/V Operational current le IEC/EN A 125 A 20/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC 110V XW 37 50/690V KW 18.5 Single-phase AC-3 110V KW <td< td=""><td></td><td></td><td>UL/CSA</td><td></td><td></td></td<>			UL/CSA		
IEC/EN A 125 Rated operational voltage V 690 Rated operational impulse voltage V 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 63kA A 100 63kA A 100 Conductivity 1s kA 2100 10% Conductivity 1s kA 2100 10% Operational current le EC/EN 10% A 100 AC15 10V A 40 220/230V A 15 AC15 10V A 40 220/230V A 15 Rated operational power in AC 110V KW 15 360/40V A 15 Single-phase AC-3 110V KW 5 380/440V KW 15 Three-phase AC23A 2				kV	6
UL/CSA A 130 Rated operational impulse 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 Rated short time current lcw 1s kA 2100 Conductivity 10/5 mA/V Operational current le IEC/EN A 125 AC15 AC15 AC15 A 125 AC15 110V A 40 220/230V A 28 380/400V A 15 Rated operational power in AC Three-phase AC-3 I10V KW 37 500/690V kW 33 Single-phase AC-3 I10V KW 5 220/230V kW 11 380/440V KW 15 380/440V KW	Conventional free air them	nai current itn		٨	105
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 Conductivity 10 63kA A 100 Conductivity 1s kA 2100 200/200 Operational current le 10/5 mA/V 00 63kA A 100 Act1/AC21A A 125 10/5 mA/V 00 220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 110V KW 4 220/230V kW 18.5 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 13 380/440V kW 15 Three-phase AC23A 110V kW 5 220/230V kW 33 Single-phas					
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 63kA A 100 63kA A 100 63kA A 100 63kA A 100 Conductivity 1s kA 2100 0 Conductivity 1s kA 2100 0 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 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/440V kW 18.5 380/440V kW 15 Three-phase AC-3 110V KW 5 220/230V KW 11	Rated operational voltage		01/03A		
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 63kA A 100 63kA A 100 Conductivity 1s kA 2100 0 Conductivity 1s kA 2100 0 Conductivity A 10/5 mA/V 0 220/230V A 40 220/230V A 15 660/690V A 15 660/690V A 5 380/400V A 15 660/690V A 5 380/440V kW 37 Single-phase AC-3 110V kW 5 220/230V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 15 Three-phase AC-3 10V <		voltage			
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15kA A 100 25kA A 100 63kA A 100 63kA A 100 Rated short time current low 1s kA 2100 Conductivity 10's mA/V 10's 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 220/230V KW 18.5 380/40V KW 37 500/690V kW 33 30 30 30 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 11 380/440V 15 15 Three-phase AC23A 220/230V kW 30 380/40V 15 15 <		(3 -)	10kA	А	125
50kA A 100 Rated short time current low 1s kA 2100 Conductivity 10/5 mA/V 10/5 mA/V Operational current le IEC/EN A 125 AC1/AC21A 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 18.5 380/400V KW 18.5 30/690V KW 33 Single-phase AC-3 110V kW 5 220/230V kW 15 Three-phase AC-3 110V kW 5 380/440V kW 15 Three-phase AC-3 110V kW 5 380/440V kW 15 Three-phase AC23A 220/230V kW 37 30 380/440V kW 37 Single-phase AC23A 220/230V kW 37 30 380/440V 45 500/690V			15kA	А	
63kA A 100 Rated short time current lcw 1s kA 2100 Conductivity 10/5 mA/V 00/5 mA/V Operational current le IEC/EN AC1/AC21A 4 125 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 33 35 360/440V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 13 360/440V kW 15 10V kW 5 Three-phase AC23A 110V kW 30 380/440V kW 30 Single-phase AC23A 220/230V kW 30 380/440V kW 37 Single-phase AC23A 110V KW 37 380/440V KW 35 </td <td></td> <td></td> <td>25kA</td> <td>А</td> <td>100</td>			25kA	А	100
Is KA 2100 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A AC15 110V AC15 110V Rated operational power in AC 15 Three-phase AC-3 220/230V kW Single-phase AC-3 110V kW Three-phase AC-3 110V kW Three-phase AC-3 110V kW Single-phase AC-3 110V kW Single-phase AC-3 110V kW Three-phase AC-3 110V kW Single-phase AC-3 110V kW Three-phase AC-3 110V kW AC-3 110V kW			50kA	А	100
1s kA 2100 Conductivity 10/5 mA/V Operational current le IEC/EN AC1/AC21A AC1/AC21A A AC15 110V AC15 110V Rated operational power in AC 220/230V Three-phase AC-3 220/230V Single-phase AC-3 220/230V Single-phase AC-3 110V KW 18.5 380/440V kW 380/440V kW 220/230V kW 220/230V kW 220/230V kW 380/440V kW 380/440V <t< td=""><td></td><td></td><td>63kA</td><td>Α</td><td>100</td></t<>			63kA	Α	100
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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 11 380/440V kW 15 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 Three-phase AC23A 110V kW 30 380/440V kW 30 380/440V kW 30 380/440V kW 35 Single-phase AC23A 110V kW 35	Conductivity				10/5 mA/V
AC15 110V A 40 220/230V A 28 380/400V A 15 660/690V A 5 5 5 Rated operational power in AC 220/230V kW 18.5 380/440V kW 37 500/690V kW 33 3 3 3 3 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 380/440V kW 15 Three-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 15 15 15 Three-phase AC23A 220/230V kW 30 380/440V 45 500/690V kW 37 Single-phase AC23A 110V kW 45 500/690V 45 500/690V 145 500/690V 145 50 38 38 38 38 37 38 38 38<	Operational current le IEC	/EN			
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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 Single-phase AC-3 110V kW Single-phase AC-3 20/230V kW Single-phase AC-3 20/230V kW Single-phase AC-33 20/230V kW Single-phase AC-3 20/230V kW Single-phase AC-3 20/230V kW Single-phase AC-23A 20/230V kW Single-phase AC-23A Single-phase AC-23A Single-phase AC-23A				А	125
220/230V A 28 380/400V A 15 660/690V A 5 Rated operational power in AC Three-phase AC-3 220/230V kW 18.5 380/40V kW 37 500/690V kW 33 Single-phase AC-3 110V kW 5 220/230V kW 11 380/440V kW 15 110V kW 5 220/230V kW 11 380/440V kW 15 11 380/440V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 500/690V kW 37 Single-phase AC23A 110V kW 35 Single-phase AC23A 110V kW 5	A	C15			
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 5 220/230V kW 11 380/440V kW 15 15 11 380/440V 15 Three-phase AC23A 220/230V kW 30 380/440V kW 36 Single-phase AC23A 110V kW 37 30 380/440V 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 110V kW 15 Three-phase AC23A 220/230V kW 30 380/440V kW 37 Single-phase AC23A 220/230V kW 30 380/440V kW 45 500/690V kW 37 37 37 38 Single-phase AC23A 110V kW 5 38 37					
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 Z20/230V kW Z20/230V kW Z20/230V kW Single-phase AC23A Z20/230V kW Z20/230V kW Single-phase AC23A Z20/230V kW Z20/230V kW Z20/230V kW Single-phase AC23A Z20/230V kW Z20/230V kW Single-phase AC23A Single-phase AC23A					
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 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	Rated operational power in	n AC	000/0301	Λ	0
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 110V kW 5 500/690V 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			220/230V	kW	18.5
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			500/690V	kW	33
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	Si	ngle-phase AC-3			
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			380/440V	кW	15
380/440V kW 45 500/690V kW 37 Single-phase AC23A 110V kW 5	Tr	hree-phase AC23A	220/2201/	L11/	20
500/690V kW 37 Single-phase AC23A 110V kW 5					
Single-phase AC23A 110V kW 5					
110V kW 5	Si	ngle-phase AC23A	000/000 V	12.0.0	<u> </u>
	C.	5 - F	110V	kW	5

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		380/440V	kW	15
Rated operational cu				
	DC21A			
		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
	DC23A (poles in series)	24V	۸	105 (1)
		24 V 48 V	A A	125 (1) 125 (2)
		48V 60V	A	125 (2)
		110V	A	50 (3)
		220V	A	20 (4)
	DC13	2201		20 (1)
	2010	24V	А	125
		48V	A	100
		60V	А	50
		110V	А	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	1/0
	AWG - Flexible cable			
		min	AWG	14
		Max	AWG	1/0
	Conductor size (IEC) - Flexible cable			
		min	mm²	2.5
		Max	mm²	50
	Conductor size (IEC) - Rigid cable			
		min	mm²	2.5
		Max	mm²	50
Mechanical life			cycles	1X10 ⁶
UL technical data	et en line ecotori			
Motor power for dire				
	for three-phase motor	120V	HP	15
		120V 240V	HP	25
		240V 480V	HP	25 50
		480V 600V	HP	40
	for single-phase motor	0001		
		120V	HP	5
		240V	HP	15
Ambient conditions				-
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70

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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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IP40 IP00

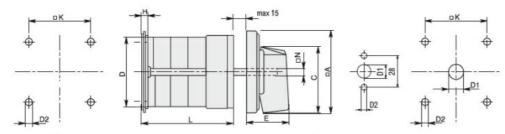
ENERGY AND AUTOMATION

Resistance & Protection

Frontal IP degree

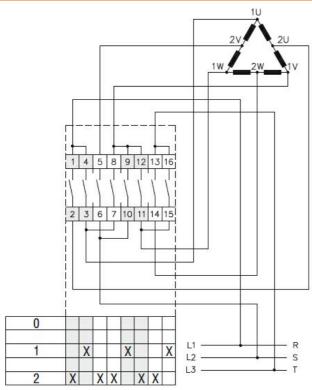
Terminals IP degree

Dimensions



Series	Dimensions					L Number of elements														
Series	□A	С	ØD	ØD2	E	Н	۵K	۵N	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

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ENERGY AND AUTOMATION

7GN125190 ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 125A, FOR REAR MOUNTING WITH BLACK HANDLE, FRONT PLATE 90X90MM

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

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