



Product designation			Rotary cam
			switches
Product type designation			7GN20
General characteristics			40 5 11 1
Switching diagram			13 - Dahlander motor control
			switch 1-0-2
N° of elements			4
			U - Front
Mounting form			mounting with
			black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith		_	
	IEC/EN	A	20
	UL/CSA	<u>A</u>	20
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	20
	15kA	A	16
Rated short time current Icw	25kA	A	16
Rated short time current icw	1s	kA	250
Conductivity	15	ĸА	 10/5 mA/V
Operational current le IEC/EN			10/5 IIIA/ V
AC1/AC21A			
AC1/AC21A		А	20
AC15		~	20
	110V	А	10
	220/230V	A	8
	380/400V	A	6
	660/690V	А	1.5
Rated operational power in AC			
Three-phase AC-3			
·	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	2.2
	380/440V	kW	3
Three-phase AC23A			

7GN2013U

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



7GN2013U ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

220/230V KW 5 Single-phase AC23A 110V KW 0.8 220/230V KW 2.5 380/440V KW 3.7 Rated operational current in DC DC21A 48V A 20 60V A 20 60V A 20 60V A 20 60V A 20 60V A 20 60V A 20 10V A 4 20 10V A 4 20 10V A 4 20 10V A 4 20 10V A 10 10V 1					
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Motor power for direct-on-line control for three-phase motor 120V HP 1.5 240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
for three-phase motor 120V HP 1.5 240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
120V HP 1.5 240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
240V HP 3 480V HP 7.5 600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5
480V HP 7.5 600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG AWG mm ² mm ² mm ²	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG Mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶
600V HP 10 for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max 120V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5
for single-phase motor	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max Max 120V 240V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3
	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5
1200 111 0.75	Terminals screw Tightening torque for t Conductor size Mechanical life UL technical data	AWG - Rigid cable AWG - Flexible cable Conductor size (IEC) - Flexible cable Conductor size (IEC) - Rigid cable	Max min Max min Max min Max 120V 240V 480V	AWG AWG AWG mm ² mm ² mm ² cycles	0.5 20 12 20 14 0.5 2.5 0.5 2.5 5x10 ⁶ 1.5 3 7.5

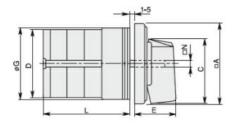
7GN2013U

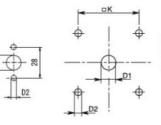


7GN2013U ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 1-0-2, 20A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

		240V	HP	2
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-40
		max	°C	+70
Resistance & Protecti	on			
Frontal IP degree				IP40
Terminals IP degree				IP00
Dimensions				

Dimensions

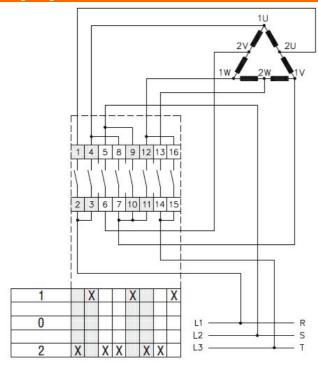




Standard drillings for 7GN125. Drillings on request for 4 screws fixing (4V version).

Carias				Dir	nensio	ons				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 c	ompliance	
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		EC001105 - Off-