



Product type designation   70,322	Product designation				Rotary cam
Switching diagram	Product type designati	on			
Switching diagram   19 - Dahlander motor control switch 0-1-2     N° of elements   4   46   47   47   47   47   47   47					701102
Mounting form					motor control
Mounting form         mounting with redevision on and protection reduced bein 0 and protection or and pro	N° of elements				
Rated insulation voltage Uimp   IEC/EN   V   690   UL/CSA   V   600     Rated impulse withstand voltage Uimp   Rated impulse withstand voltage Uimp   Rated impulse withstand current lith   IEC/EN   A   32   UL/CSA   A   40     Rated operational voltage   V   480   Rated operational impulse voltage   V   480     Rated operational impulse voltage   Rated Spoka   A   32     Rated short time current lcw   1   15kA   A   32     Rated short time current lcw   1   1   1   1     Rated short time current lcw   1   1   1   1     Rated Spoka   A   32     Rated short time current le IEC/EN   A   32     Rated Spoka   A   32     Rated short time current le IEC/EN   A   32     Rated operational current le IEC/EN   A   32     Rated Spoka   A   2   2     Rated operational power in AC   2   2     Rated operational power in AC   Rated operational					mounting with red/yellow handle padlockable in 0 and protection
Rated impulse withstand voltage Uimp   RV   6000     Conventional free air thermal current Ith   IEC/EN   A   32     UI/CSA   A   40     Rated operational voltage   V   480     Rated operational impulse voltage   RV   4     Maximum fuse size for short-circuit protection In (gG)   10kA   A   32     Saka   A   32					
Conventional free air thermal current Ith				V	600
IEC/EN				KV	0
Rated operational impulse voltage   RV   4	Conventional free all ti	iennai current iui			
Maximum fuse size for short-circuit protection In (gG)  10kA A 32 15kA A 32 25kA A 32 25kA A 32 50kA A 32  Rated short time current Icw  1s A 800  Conductivity  1s A 800  Conductivity  Operational current le IEC/EN  AC1/AC21A  AC15  110V A 25 220/230V A 20 380/40V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  Rated operational power in AC  Single-phase AC-3  110V & V 7.5 380/440V & V 11 500/690V & V 11  Single-phase AC-3  110V & V 2.2 220/230V & V 4 11 110V & V 4 11 110V & V 5 11 110V & V 6.5 110V & V 7.5 110V		_			480
10kA	_			kV	4
15kA	Maximum fuse size for	short-circuit protection In (gG)			
Rated short time current lcw					
Rated short time current lcw					
Rated short time current low					
1s	Datad short time ourre	nt low	5UKA	A	32
Conductivity	Rated Short time curre	III ICW	1e	Δ	800
Operational current le IEC/EN  AC1/AC21A  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC-3  220/230V kW 6.5  Three-phase AC-3  220/230V kW 11  Single-phase AC-3  220/230V kW 6.5  Three-phase AC23A	Conductivity		13		
AC1/AC21A  AC15  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 4 380/440V kW 15 500/690V kW 15 500/690V kW 15		IFC/FN			10/0 11// (
A 32  AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 6.5  Three-phase AC23A	oporational outrone to				
AC15  110V A 25 220/230V A 20 380/400V A 10 660/690V A 2  Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15				Α	32
220/230V		AC15			_
Rated operational power in AC   Three-phase AC-3			110V	Α	25
Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 8 380/440V kW 15 500/690V kW 15 500/690V kW 18.5			220/230V	Α	20
Rated operational power in AC  Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 15			380/400V	Α	10
Three-phase AC-3  220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5	_		660/690V	Α	2
220/230V kW 7.5 380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5	Rated operational pow				
380/440V kW 11 500/690V kW 11  Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5		Three-phase AC-3			
Single-phase AC-3					
Single-phase AC-3  110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5					
110V kW 2.2 220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5		Single phase AC 2	500/6907	KVV	
220/230V kW 4 380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 220/230V kW 8 380/440V kW 15 500/690V kW 18.5		Single-phase AC-3	110\/	k۱۷۱	22
380/440V kW 6.5  Three-phase AC23A  220/230V kW 8 380/440V kW 15 500/690V kW 18.5					
Three-phase AC23A  220/230V kW 8  380/440V kW 15  500/690V kW 18.5					
220/230V kW 8 380/440V kW 15 500/690V kW 18.5		Three-phase AC23A	2501.151		
380/440V kW 15 500/690V kW 18.5		•	220/230V	kW	8
500/690V kW 18.5					
Single-phase AC23A			500/690V	kW	18.5
		Single-phase AC23A			





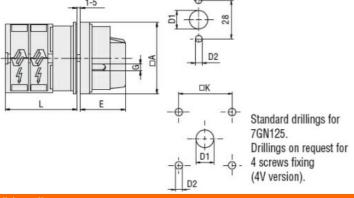
		110V	kW	2.2
		220/230V	kW	4
		380/440V	kW	7.5
Poted energtional our	ront in DC	300/440 V	IXVV	7.0
Rated operational curi				
	DC21A			
		48V	Α	32
		60V	Α	32
		110V	Α	6
		220V	Α	0.9
	DC23A (poles in series)			
	2020/ (poloc iii collec)	24V	Α	32 (1)
		48V	A	
				32 (2)
		60V	Α	32 (3)
		110V	Α	15 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	32
		48V	Α	25
		60V	A	16
		110V	A	3
		220V	A	0.5
Power dissipation			W	1.5
Mechanical features				
Terminals screw				M4
Tightening torque for t	terminals max		Nm	1.2
Conductor size				
0011440101 0120	AWG - Rigid cable			
	AWG - Rigid Cable		AWG	16
				16
		min		
		Max	AWG	8
	AWG - Flexible cable			
	AWG - Flexible cable			
	AWG - Flexible cable	Max	AWG	8
		Max min	AWG	16
	AWG - Flexible cable  Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
		Max min Max min	AWG AWG AWG	16 10 1.5
	Conductor size (IEC) - Flexible cable	Max min Max	AWG AWG AWG	16 10
		Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 4
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 4
	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	16 10 1.5 4 1.5 6
Mechanical life	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm²	16 10 1.5 4
Mechanical life UL technical data	Conductor size (IEC) - Flexible cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	16 10 1.5 4 1.5 6
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max	AWG AWG AWG mm² mm² mm²	16 10 1.5 4 1.5 6
	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max	AWG AWG AWG mm² mm² mm²	16 10 1.5 4 1.5 6
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable	Max min Max min Max min Max	AWG AWG AWG  mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max	AWG AWG AWG  mm² mm² cycles	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max min Max  120V 240V	AWG AWG AWG  mm² mm² cycles	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V	AWG AWG AWG  mm² mm² cycles  HP HP	16 10 1.5 4 1.5 6 5x10 <sup>6</sup>
UL technical data	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² cycles  HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V  120V 240V	AWG AWG AWG mm² mm² mm² cycles  HP HP HP HP	16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V	AWG AWG AWG  mm² mm² mm² cycles  HP HP HP HP HP HP	8 16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15
UL technical data  Motor power for direct	Conductor size (IEC) - Flexible cable  Conductor size (IEC) - Rigid cable  t-on-line control for three-phase motor  for single-phase motor	Max min Max min Max  min Max  120V 240V 480V 600V  120V 240V	AWG AWG AWG mm² mm² mm² cycles  HP HP HP HP	16 10 1.5 4 1.5 6 5x10 <sup>6</sup> 5 10 15 15





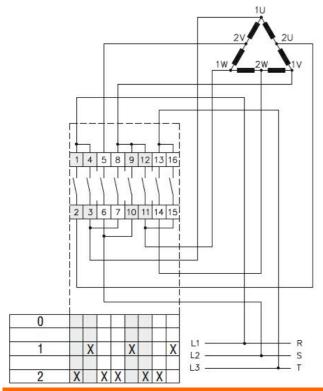
Storage temperature			
	min	°C	-40
	max	°C	+70
Resistance & Protection			
Frontal IP degree			IP40
Terminals IP degree			IP00

#### **Dimensions**



Series	Dimensions					L				
	□A	D1	D2	Е	G	□K	1	2	3	12
7GN12	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN20	65	12	5	34.2	5	36	36.1	45.8	55.5	142.8
7GN25	65	12	5	34.2	5	36	40.5	54.1	67.7	190.1
7GN32	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN40	65	14	5	38	6	48	46.5	61.6	76.7	212.6
7GN63	65	14	5	38	6	48	50.3	68.4	86.5	249.4
7GN125	90	16	6	49	7	68	67.3	96.4	125.5	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