

ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 125A IN PLASTIC ENCLOSURE 180X254MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN125
General characteristics			40 Dahlandar
Switching diagram			19 - Dahlander motor control switch 0-1-2
N° of elements			4
Mounting form			P - Plastic enclosure 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	Α	125
	UL/CSA	Α	130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)			
	10kA	Α	125
	15kA	Α	100
	25kA	Α	100
	50kA	Α	100
	63kA	Α	100
Rated short time current lcw			
	1s	kA	2100
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		Α	125
AC15			
	110V	Α	40
	220/230V	Α	28
	380/400V	Α	15
	660/690V	Α	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
Single-phase AC23A			
•	110V	kW	5
	220/230V	kW	11



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		380/440V	kW	15
Rated operational cur	rent in DC			
	DC21A			
		48V	Α	125
		60V	Α	80
		110V	Α	10
		220V	Α	1.2
	DC23A (poles in series)	2201		1.2
	DOZOA (poles ili selles)	24V	٨	105 (1)
			A	125 (1)
		48V	Α	125 (2)
		60V	Α	125 (3)
		110V	Α	50 (3)
		220V	Α	20 (4)
	DC13			
		24V	Α	125
		48V	Α	100
		60V	Α	50
		110V	A	4
Power dissipation		1100	W	6.3
Mechanical features			V V	0.0
				MOVE
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) Flevible coble	IVICA	700	170
	Conductor size (IEC) - Flexible cable	!	2	0.5
		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				
Motor power for direc	t-on-line control			
	for three-phase motor			
	ισι ιπισσ-μπασσ πισισι	120V	ПБ	15
			HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
	for single-phase motor			
	- .	120V	HP	5
		240V	HP	15
Ambient conditions				-
Temperature				
romporature	Operating temperature			
	Operating temperature		2.5	0.5
		min	°C	-25
		max	°C	+55
	Storage temperature			
	-	min	°C	-40
		max	°C	+70
		IIIUX		

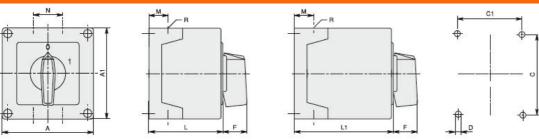
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Resistance & Protection

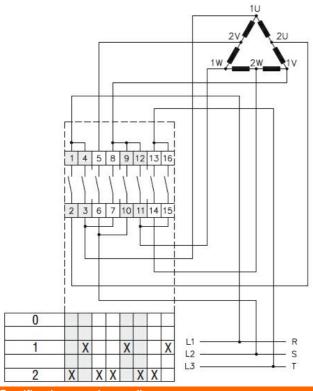
Frontal IP degree IP65
Terminals IP degree IP00

Dimensions



Series	Enclosure size	Number o	f elements	Dimensions						Cable	Protection				
Series		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	Protection degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25	1	1	2-3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6				00000	10000000						1907 TO SO AN AND SO	0.000.000.000
7GN25	1	1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32	1	1 - 2	3 - 4	2557.1	2000.0	53.905	1990	3.33.000.0	50-853	2000		100000000000000000000000000000000000000	0.00000000	35.0-220.000	20000000
7GN40		1	2-3												
7GN12	110x110	1-4	5 - 8												
7GN20		1 - 4	5 - 8												
7GN25		1-3	4 - 5	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN32		1-3	4 - 5	110	110	90.4	00	4.5	32	21	39.5	00.0	119.5	417621	11.00
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1 - 3	4 - 5												
7GN40	20.22 (200.00.00.00.00.00.00.00.00.00.00.00.00.	1 - 2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21	IP65
7GN63		1 - 2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	110.3	2xPG11	IPOD
7GN125		1	2												
7GN32	180x254	1 - 5	6 - 8												
7GN40		1 - 4	5 - 7	180	254	120	190	5.5	32	35	76	121	175	4xPG29	IP65
7GN63		1 - 3	4 - 6	100	234	120	190	5.5	32	33	76	121	1/5	2xPG11	11-00
7GN125		1 - 2	3 - 4	4											

Wiring diagrams



Certifications and compliance





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Compliance

IEC/EN/BS 60947-1 IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC001029 -Selector switch, complete