

## **7GN4019P** ENCLOSED ROTARY CAM SWITCH 7GN SERIES, DAHLANDER MOTOR CONTROL SWITCH 0-1-2, 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

Product designation			Enclosed rotary cam switch
Product type designation			7GN40
General characteristics			
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
Dated impulse withstand voltage Llimp	UL/CSA	 kV	600 6
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		ĸv	0
	IEC/EN	А	40
	UL/CSA	A	40 50
Rated operational voltage	02,00,1	V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	40
	15kA	А	40
	25kA	А	40
	50kA	А	40
	63kA	A	40
Rated short time current Icw	1s	kA	1000
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		A	40
AC15	110V	А	25
	220/230V	A	25 22
	380/400V	A	12
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	8
	380/440V	kW	15
	500/690V	kW	15
Single-phase AC-3			0
	110V	kW	3
	220/230V 380/440V	kW kW	6.5 8
Three-phase AC23A	30U/44UV	ĸvv	8
milee-phase A023A	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
Single-phase AC23A			
	110V	kW	3
	220/230V	kW	6

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	380/440V	kW	11
Rated operational current in DC	300/440 V	K V V	11
DC21A			
	48V	А	40
	60V	А	40
	110V	А	6
	220V	А	0.9
DC23A (poles in series)			
	24V	Α	40 (1)
	48V	Α	40 (2)
	60V	А	40 (3)
	110V	А	20 (3)
	220V	Α	12 (4)
DC13			
	24V	A	40
	48V	A	32
	60V	A	16
	110V	<u>A</u>	3
Power dissipation		W	2.0
Mechanical features			N44
Terminals screw			M4
Tightening torque for terminals max		Nm	1.2
Conductor size			
AWG - Rigid cable			4.0
	min	AWG	16
AWG - Flexible cable	Max	AWG	8
AWG - Flexible cable	min	AWG	16
	min Max	AWG	16 10
Conductor size (IEC) - Flexible cable	IVIAX	AWG	10
Conductor size (IEC) - Flexible cable	min	mm²	1.5
	Max	mm²	6
Conductor size (IEC) - Rigid cable	WidX		0
	min	mm²	1.5
	Max	mm²	10
Mechanical life		cycles	5x10 <sup>6</sup>
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	5
	240V	HP	10
	480V	HP	20
	600V	HP	20
for single-phase motor			
	120V	HP	2
	240V	HP	5
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70

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IP65 IP00

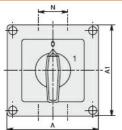
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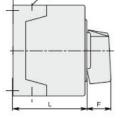
Resistance & Protection

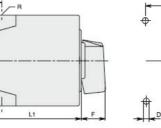
Frontal IP degree

Terminals IP degree

**Dimensions** 

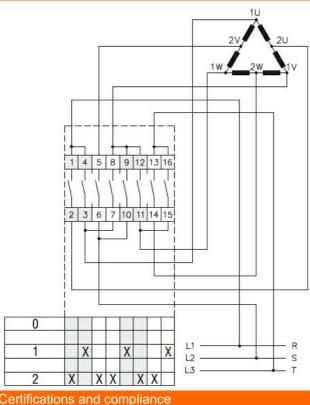






	<b>F</b>	Number	f elements	Dimensions					0.11	Deterior					
Series	Enclosure size	L	L1	A	A1	С	C1	Dinie	F	M	N	L	L1	Cable entry	Protection degree
7GN12	75x75	1-2	3 - 4												
7GN20	1	1-2	3 - 4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN25		1	2 - 3												
7GN12	90x90	1-3	4 - 6												
7GN20		1-3	4 - 6	8-404	20224	500 C	104.04	840527	0.000	1000	2423	0.000.0048		0004040488	10000-0-0
7GN25		1-2	3 - 4	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN32		1-2	3 - 4												
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	50.4	00	4.5	52	21	00.0	00.0	113.5	471.021	100
7GN40		1-2	3 - 5												
7GN63		1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40		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	175	140	112	0.0	02	21	00	04.0	110.0	2xPG11	11 00
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	204	120	130	0.0	102	~~~		121		2xPG11	1 00
7GN125		1-2	3 - 4												

## Wiring diagrams



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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		
		EC001029 -

ETIM 8.0

Selector switch, complete