

			Rotary cam
Product designation			switches
Product type designation			7GN40
General characteristics			13 - Dahlander
Switching diagram			motor control switch 1-0-2
N° of elements			4
Mounting form			O - Rear 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	٨	40
	UL/CSA	A	40 50
Rated operational voltage	UL/CSA	A V	480
Rated operational impulse voltage		kV	480
Maximum fuse size for short-circuit protection In (gG)		ιτν	
	10kA	А	40
	15kA	A	40
	25kA	А	40
	50kA	А	40
	63kA	А	40
Rated short time current Icw	1s	kA	1000
Conductivity	15	ĸА	1000 10/5 mA/V
Operational current le IEC/EN			10/3 11/4/ 1
AC1/AC21A			
		А	40
AC15			
	110V	А	25
	220/230V	А	22
	380/400V	А	12
	660/690V	A	2
Rated operational power in AC			
Three-phase AC-3	000/0001	1.1.1.1	0
	220/230V 380/440V	kW kW	8 15
	380/440V 500/690V	kvv kW	15 15
Single-phase AC-3	300/030 V	N V V	10
	110V	kW	3
	220/230V	kW	6.5
	380/440V	kW	8
Three-phase AC23A			
	220/230V	kW	8
	380/440V	kW	18.5
	500/690V	kW	22
Single-phase AC23A			<u> </u>
	110V	kW	3
	220/230V	kW	6

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		380/440V	kW	11
Rated operational cu	irrent in DC			
	DC21A			
		48V	Α	40
		60V	A	40
		110V	A	6
		220V	Α	0.9
	DC23A (poles in series)	0.01/		40 (4)
		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
	DC13	220V	A	12 (4)
	DC13	041/	^	40
		24V 48V	A	40
		48V 60V	A	32 16
			A	
Power dissipation		110V	A W	3 2.0
Mechanical features			VV	2.0
Terminals screw				M4
Tightening torque for	terminale may		Nm	1.2
Conductor size			INITI	1.2
Conductor Size	AWG - Rigid cable			
	AWG - Rigid Cable	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable	IVIdX	AWG	0
	AWG - Flexible cable	min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable	IVIAA	ANG	10
	Conductor size (IEC) - Flexible cable	min	mm²	1.5
		Max	mm²	6
	Conductor size (IEC) - Rigid cable	IVIDA		0
	Conductor size (IEC) - Rigid cable	min	mm²	1.5
		Max	mm²	10
Mechanical life		IVIAA	cycles	5x10 ⁶
UL technical data			Cycles	5×10
Motor power for dire	ct-on-line control			
	for three-phase motor			
		120V	HP	5
		240V	HP	10
		480V	HP	20
		400V 600V	HP	20
	for single-phase motor	0001		
		120V	HP	2
		240V	HP	5
Ambient conditions		2.57		-
Temperature				
	Operating temperature			
	, 0 ··- 1· -······	min	°C	-25
		max	°Č	+55
	Storage temperature		-	
		min	°C	-40
		max	°Č	+70
			-	

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IP40 IP00

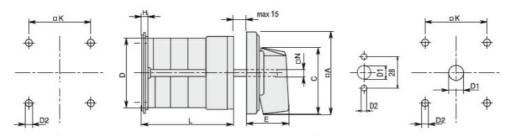
ENERGY AND AUTOMATION

Resistance & Protection

Frontal IP degree

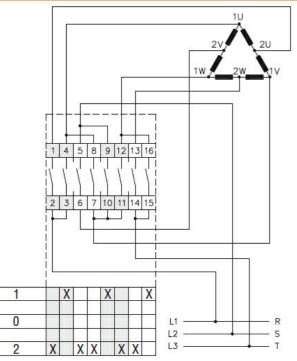
Terminals IP degree

Dimensions



Corioo	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			

Certificates

7GN4013O



	cCSAus	
	EAC	
	UL	
ication		
		EC001029 -

ETIM 8.0

ETIM classif

EC001029 -Selector switch, complete