



Product designation			Enclosed rotary cam switch
Product type designation			7GN40
General characteristics			
Switching diagram			03 - ON/OFF spring return switch 3 poles
N° of elements			2
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Deter l'annula e suitheter deselterer l'inn	UL/CSA	V	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	6
Conventional free air thermal current lth		۸	40
	IEC/EN	A	40
Deted exerctional valters	UL/CSA	A V	50
Rated operational voltage		kV	480
Rated operational impulse voltage		KV	4
Maximum fuse size for short-circuit protection In (gG)	1044	۸	40
	10kA 15kA	A A	40 40
	25kA	A	40 40
	23kA 50kA	A	40
	63kA	A	40
Rated short time current Icw	00104	~	-10
	1s	kA	1000
Conductivity	10	10.1	10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A			
		А	40
AC15			
	110V	А	25
	220/230V	А	22
	380/400V	А	12
	660/690V	А	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			
	110V	kW	3
	220/230V	kW	6.5

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



Lovato				7GN4003P
electric	ENCLOSED ROTARY CAM SWITCH 7GN			
ENERGY AND AUTOMATION	POLES 40A IN PLASTIC EN	ICLOSURE 110X110	MM WIT	H BLACK HANDLE
		380/440V	kW	8
	Three-phase AC23A	220/2201/		0
		220/230V 380/440V	kW kW	8 18.5
		500/690V	kW	22
	Single phase AC22A	200/690V	KVV	22
	Single-phase AC23A	110\/		2
		110V	kW	3
		220/230V	kW	6
Dete d en enstien el euro	ant in DO	380/440V	kW	11
Rated operational curre				
	DC21A	40)/		10
		48V	A	40
		60V	A	40
		110V	A	6
		220V	Α	0.9
	DC23A (poles in series)		_	
		24V	Α	40 (1)
		48V	А	40 (2)
		60V	Α	40 (3)
		110V	Α	20 (3)
		220V	Α	12 (4)
	DC13			
		24V	Α	40
		48V	А	32
		60V	А	16
		110V	А	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for te	erminals max		Nm	1.2
Conductor size				
	AWG - Rigid cable			
	-	min	AWG	16
		Max	AWG	8
	AWG - Flexible cable			
		min	AWG	16
		Max	AWG	10
	Conductor size (IEC) - Flexible cable		-	
		min	mm²	1.5
				-

Motor power for direct-on-line control

Conductor size (IEC) - Rigid cable

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

Max

min

Max

mm²

mm²

mm²

cycles

6

1.5 10

5x10⁶

7GN4003P

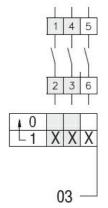


Ambient conditions

Temperature

Temperature													
	Operating te	empera	ture										
		-								m	nin	°C	-25
													+55
	<u>Otomo wa tan</u>										an	0	100
	Storage ten	iperatu	ire										
													-40
										m	ax	°C	+70
Resistance & Protectio	n												
Frontal IP degree													IP65
Terminals IP degree													IP00
Dimensions													
	м				м								
	R R			1		R			F	C1	>		
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		1L	_		5		ľ	-	4				
			F		-	L1		F	M	. D		L	
<u>≺</u> ^ >		><	<u> </u>	ŀ	<	LI	>	< ->	-	←			
Series Enclosure Number	of elements				Dimer	nsions					Cable	Protection	
size L	L1 A	A1	С	C1	D	F	М	N	L	L1	Cable entry	degree	
7GN12 75x75 1 - 2	3-4											1005	
7GN20 1 - 2 7GN25 1	3 - 4 75 2 - 3	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65	
7GN12 90x90 1-3	4-6												
7GN20 1-3													
70105	4-6												
/GN25 1-2	<u>4-6</u> 3-4 90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN25 1 - 2 7GN32 1 - 2		90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32 1 - 2 7GN40 1	3 - 4 90 3 - 4 2 - 3	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4	3 - 4 90 3 - 4 2 - 3 5 - 8	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 4	3 - 4 3 - 4 2 - 3 5 - 8 5 - 8	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 4 1 - 4 7GN25 1 - 3 1 - 3	3 - 4 90 3 - 4 2 - 3 5 - 8 5 - 8 4 - 5 110	90	79 98.4	63 83	4.5	25	19	30 39.5	71.3	98.3 119.5	4xPG16 4xPG21	IP65 IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 4 1 - 4 7GN25 1 - 3 7GN32	3 - 4 90 3 - 4 2 - 3 5 - 8 5 - 8 4 - 5 110				-							0000.0009	,
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 4 1 - 4 7GN25 1 - 3 7GN32 7GN40 1 - 2 1 - 2	3 - 4 90 3 - 4 2 - 3 5 - 8				-							0000.0009	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 4 7GN25 1 - 3 7GN32 1 - 3 7GN40 1 - 2 7GN30 1 - 2	3 - 4 90 3 - 4 90 2 - 3 90 5 - 8 110 4 - 5 3 - 5 3 - 4 110				-							0000.0009	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 3 7GN32 1 - 2 7GN32 1 - 2 7GN40 1 - 2	3 - 4 90 3 - 4 90 3 - 4 90 5 - 8 110 5 - 5 110 3 - 5 3 - 4 4 - 5 3 - 4	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN40 1 - 2 7GN40 1 - 2 7GN40 1 - 2	3 - 4 90 3 - 4 90 3 - 4 90 5 - 8 110 4 - 5 3 - 5 3 - 4 125				-						4xPG21		
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN40 1 - 2 7GN40 1 - 2 7GN5 1 - 3 7GN40 1 - 2 7GN5 1 - 2 7GN63 1 - 2 7GN125 1	3 - 4 90 3 - 4 90 2 - 3 90 5 - 8 110 4 - 5 110 3 - 4 3 - 4 4 - 5 3 - 4 125 2	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 2 7GN32 1 - 2 7GN32 1 - 2 7GN32 1 80x254 1 - 5	3 - 4 90 3 - 4 2 - 3 5 - 8 - 5 - 8 - 4 - 5 110 3 - 4 - 4 - 5 - 3 - 4 - 3 - 4 - 2 - 3 - 125 - 2 - 6 - 8 -	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21 4xPG21 4xPG21 2xPG11	IP65	
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN32 1 - 2 7GN63 1 - 2 7GN32 1 - 3 7GN32 1 - 2 7GN63 1 - 2 7GN125 1 7GN2 1 - 2 7GN32 1 - 2 7GN40 1 - 2	3 - 4 90 3 - 4 90 3 - 4 90 5 - 8 110 5 - 8 110 4 - 5 3 - 4 4 - 5 3 - 4 3 - 4 125 2 - 6 - 8 5 - 7	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21 4xPG21 4xPG11 4xPG29	IP65	•
7GN32 1 - 2 7GN40 1 7GN12 110x110 1 - 4 7GN20 1 - 3 7GN32 1 - 3 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 3 7GN40 1 - 2 7GN32 1 - 2 7GN40 1 - 2 7GN32 1 - 2 7GN32 1 - 2 7GN32 1 - 2 7GN32 1 80x254 1 - 5	3 - 4 90 3 - 4 90 2 - 3 5 5 - 8 110 4 - 5 110 3 - 4 -5 3 - 4 125 3 - 4 2 6 - 8 5 - 7	110	98.4	83	4.5	32 32	21 21	39.5 68	85.5	119.5	4xPG21 4xPG21 4xPG21 2xPG11	IP65 IP65	

Wiring diagram



Certifications and compliance Compliance

7GN4003P



7GN4003P ENCLOSED ROTARY CAM SWITCH 7GN SERIES, ON-OFF SPRING RETURN SWITCH 3 POLES 40A IN PLASTIC ENCLOSURE 110X110MM WITH BLACK HANDLE

	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
Certificates		
	EAC	
ETIM classification		
		EC001029 -

ETIM 8.0

EC001029 -Selector switch, complete

7GN4003P