

			<b>–</b> 1 1 <i>i</i>
Product designation			Enclosed rotary cam switch
Product type designation			7GN63
General characteristics			
Switching diagram			12 - Star-delta motor starter switch
N° of elements			4
Mounting form			P - Plastic enclosure with black handle
Contact characteristics			
Rated insulation voltage Ui			
	IEC/EN	V	690
Deted impulse withstand values a liven	UL/CSA	V kV	600
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		ĸv	6
	IEC/EN	А	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	А	63
	15kA	А	63
	25kA	A	63
	50kA	A	63
Rated short time current Icw	63kA	A	63
	1s	kA	1600
Conductivity			10/5 mA/V
Operational current le IEC/EN			
AC1/AC21A		^	<u></u>
AC15		A	63
ACIS	110V	А	32
	220/230V	A	25
	380/400V	A	15
	660/690V	А	4
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	11
	380/440V	kW	18.5
Single phase AC 2	500/690V	kW	18.5
Single-phase AC-3	110V	kW	3.7
	220/230V	kW	6.5
	380/440V	kW	11.5
Three-phase AC23A			
·	220/230V	kW	12.5
	380/440V	kW	30
	500/690V	kW	30
Single-phase AC23A	44017	1.347	0.7
	110V	kW	3.7 7.5
	220/230V	kW	7.5

7GN6312P



		380/440V	kW	12.5
Rated operational cur				
	DC21A	401/		00
		48V 60V	A A	63 50
		110V	A	8
		220V	A	1
	DC23A (poles in series)	2201	Λ	1
	(p = = = = = = = = )	24V	А	50 (1)
		48V	А	50 (2)
		60V	А	50 (3)
		110V	А	25 (3)
		220V	А	15 (4)
	DC13			
		24V	Α	63
		48V	Α	40
		60V	Α	28
		110V	Α	3.3
Power dissipation			W	3.4
Mechanical features				
Terminals screw				M5
Tightening torque for	terminals max		Nm	2
Conductor size				
	AWG - Rigid cable			
		min	AWG	14
		Max	AWG	6
	AWG - Flexible cable	min		1 /
		min Max	AWG AWG	14 8
	Conductor size (IEC) - Flexible cable	IVIdX	AWG	0
		min	mm²	2.5
		Max	mm²	10
	Conductor size (IEC) - Rigid cable	Max		10
		min	mm²	2.5
		Max	mm²	16
Mechanical life			cycles	5x10 <sup>6</sup>
UL technical data			ý	
Motor power for direc	t-on-line control			
	for three-phase motor			
		120V	HP	7.5
		240V	HP	15
		480V	HP	25
		600V	HP	25
	for single-phase motor			
		120V	HP	3
A		240V	HP	10
Ambient conditions				
Temperature				
	Operating temperature	•	•	05
		min	℃ ℃	-25
	Storogo tomporatura	max	U	+55
	Storage temperature	min	°C	-40
			°C	-40 +70
		max	0	T/V

7GN6312P

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



C1

-

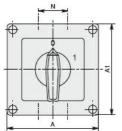
ENERGY AND AUTOMATION

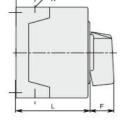
Resistance & Protection

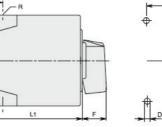
Frontal IP degree

# Terminals IP degree

Dim<u>ensions</u>



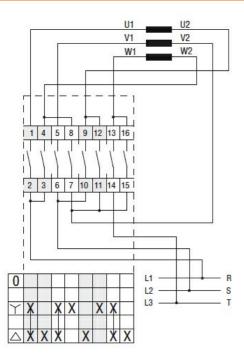




IP65 IP00

10					1000							-11			
Carries	Enclosure	Number of	f elements		Dimensions					Cable	Protection				
Series Enclosu		L	L1	Α	A1	С	C1	D	F	M	N	L	L1	entry	degree
7GN12	75x75	1-2	3 - 4												
7GN20	]	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					100000-00		10000					
7GN25		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												211-222-2006-22
7GN40		1	2 - 3												
7GN12	110x110	1-4	5 - 8												
7GN20		1-4	5 - 8												
7GN25	1	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	98.4	63	4.5	32	21	39.5	60.0	119.5	4XPG21	IPOD
7GN40	]	1-2	3 - 5												
7GN63	1	1-2	3 - 4												
7GN32	125x175	1-3	4 - 5												
7GN40	200.1210.020.000.0000 M	1-2	3 - 4	125	175	146	112	5.5	32	21	68	84.3	110.2	4xPG21	IP65
7GN63	]	1-2	3 - 4	125	1/5	140	112	5.5	32	21	00	04.3	118.3	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	160	204	120	190	5.5	32	30	70	121	1/5	2xPG11	100
7GN125		1-2	3 - 4												

## Wiring diagrams



## Certifications and compliance 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

EC001029 -Selector switch, complete