

Product designation	Enclosed rotary cam switch		
Product type designation	7GN63		
<b>General characteristics</b>			
Switching diagram	25 - 1-phase motor reversing switch with spring return		
N° of elements	2		
Mounting form	P25 - Plastic enclosure with red/yellow handle		
<b>Contact characteristics</b>			
Rated insulation voltage $U_i$	IEC/EN	V	690
	UL/CSA	V	600
Rated impulse withstand voltage $U_{imp}$		kV	6
Conventional free air thermal current $I_{th}$	IEC/EN	A	63
	UL/CSA	A	60
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	63
	15kA	A	63
	25kA	A	63
	50kA	A	63
	63kA	A	63
Rated short time current $I_{cw}$		1s	A
			1600
Conductivity			10/5 mA/V
Operational current $I_e$ IEC/EN	AC1/AC21A		A
			63
AC15	110V	A	32
	220/230V	A	25
	380/400V	A	15
	660/690V	A	4
Rated operational power in AC	Three-phase AC-3		
	220/230V	kW	11
	380/440V	kW	18.5
	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			

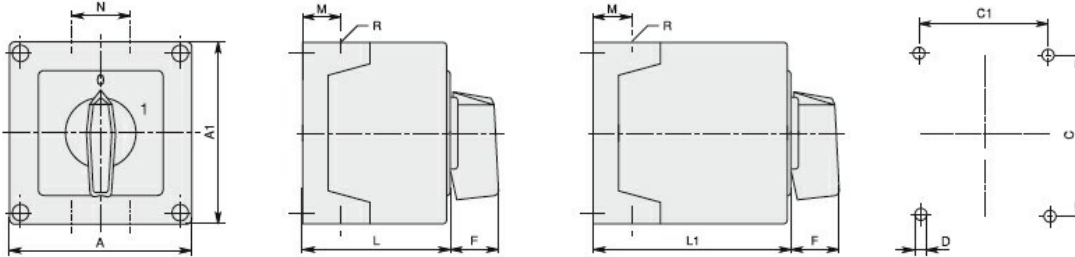
	110V	kW	3.7
	220/230V	kW	7.5
	380/440V	kW	12.5
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Rated operational current in DC			
DC21A			
	48V	A	63
	60V	A	50
	110V	A	8
	220V	A	1
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DC23A (poles in series)			
	24V	A	50 (1)
	48V	A	50 (2)
	60V	A	50 (3)
	110V	A	25 (3)
	220V	A	15 (4)
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DC13			
	24V	A	63
	48V	A	40
	60V	A	28
	110V	A	3.3
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Power dissipation		W	3.4
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<b>Mechanical features</b>			
Terminals screw			M5
Tightening torque for terminals max			Nm 2
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Conductor size			
AWG - Rigid cable			
	min	AWG	14
	Max	AWG	6
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AWG - Flexible cable			
	min	AWG	14
	Max	AWG	8
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Conductor size (IEC) - Flexible cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	10
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Conductor size (IEC) - Rigid cable			
	min	mm <sup>2</sup>	2.5
	Max	mm <sup>2</sup>	16
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Mechanical life		cycles	5x10 <sup>6</sup>
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<b>UL technical data</b>			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	7.5
	240V	HP	15
	480V	HP	25
	600V	HP	25
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for single-phase motor			
	120V	HP	3
	240V	HP	10
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<b>Ambient conditions</b>			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
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Storage temperature			

min °C -40  
max °C +70

**Resistance & Protection**

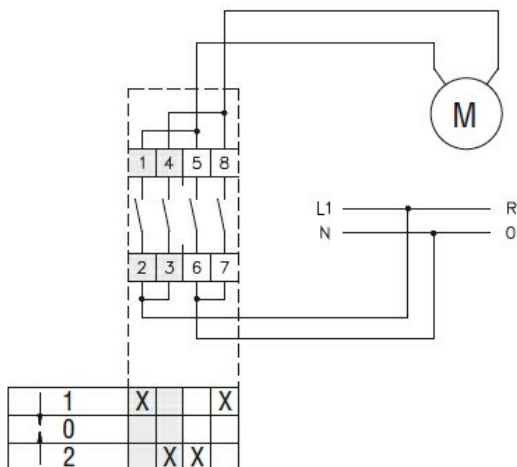
Frontal IP degree	IP65
Terminals IP degree	IP00

**Dimensions**



Series	Enclosure size	Number of elements		Dimensions										Cable entry	Protection degree
		L	L1	A	A1	C	C1	D	F	M	N	L	L1		
7GN12	75x75	1-2	3-4	75	75	50	64	4.5	19	14	28	57.5	79.8	4xPG13.5	IP65
7GN20		1-2	3-4												
7GN25		1	2-3												
7GN12	90x90	1-3	4-6	90	90	79	63	4.5	25	19	30	71.3	98.3	4xPG16	IP65
7GN20		1-3	4-6												
7GN25		1-2	3-4												
7GN32		1-2	3-4												
7GN40		1	2-3												
7GN12	110x110	1-4	5-8	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN20		1-4	5-8												
7GN25		1-3	4-5												
7GN32		1-3	4-5												
7GN40		1-2	3-5												
7GN63	1-2	3-4													
7GN32	125x175	1-3	4-5	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN40		1-2	3-4												
7GN63		1-2	3-4												
7GN125		1	2												
7GN32	180x254	1-5	6-8	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65
7GN40		1-4	5-7												
7GN63		1-3	4-6												
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

ETIM 8.0

EC001029 -  
Selector switch,  
complete