

Product designation				Enclosed rotary cam switch	
Product type designation				7GN12	
<b>General characteristics</b>					
Switching diagram				08 - ON/OFF switch 4 poles	
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	16		
	UL/CSA	A	15		
Rated operational voltage			V	480	
Rated operational impulse voltage			kV	4	
Maximum fuse size for short-circuit protection $I_n$ (gG)	10kA	A	16		
	15kA	A	10		
	25kA	A	10		
Rated short time current $I_{cw}$			1s	A	
			200		
Conductivity				10/5 mA/V	
Operational current $I_e$ IEC/EN	AC1/AC21A		A	16	
	AC15				
		110V	A	10	
		220/230V	A	8	
		380/400V	A	4	
		660/690V	A	1.5	
Rated operational power in AC	Three-phase AC-3				
			220/230V	kW	2.5
			380/440V	kW	4
			500/690V	kW	5.5
	Single-phase AC-3				
			110V	kW	0.8
			220/230V	kW	1.5
			380/440V	kW	2.2
	Three-phase AC23A				
			220/230V	kW	3
			380/440V	kW	5.5
			500/690V	kW	7.5
Single-phase AC23A					
		110V	kW	0.8	
		220/230V	kW	1.7	
		380/440V	kW	3	
Rated operational current in DC					

DC21A				
	48V	A		12
	60V	A		12
	110V	A		4
	220V	A		0.6
	440V	A		0.25
DC23A (poles in series)				
	24V	A		10 (1)
	48V	A		10 (2)
	60V	A		10 (3)
	110V	A		5 (3)
	220V	A		5 (4)
DC13				
	24V	A		12
	48V	A		10
	60V	A		8
	110V	A		1
	220V	A		0.4
	440V	A		0.15
Power dissipation		W		0.8
<b>Mechanical features</b>				
Terminals screw				M3
Tightening torque for terminals max		Nm		0.5
Conductor size				
AWG - Rigid cable				
	min	AWG		20
	Max	AWG		12
AWG - Flexible cable				
	min	AWG		20
	Max	AWG		14
Conductor size (IEC) - Flexible cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
Conductor size (IEC) - Rigid cable				
	min	mm <sup>2</sup>		0.5
	Max	mm <sup>2</sup>		2.5
Mechanical life		cycles		3x10 <sup>6</sup>
<b>UL technical data</b>				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP		1.5
	240V	HP		3
for single-phase motor				
	120V	HP		0.5
	240V	HP		1
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C		-25
	max	°C		+55
Storage temperature				
	min	°C		-40
	max	°C		+70
<b>Resistance &amp; Protection</b>				

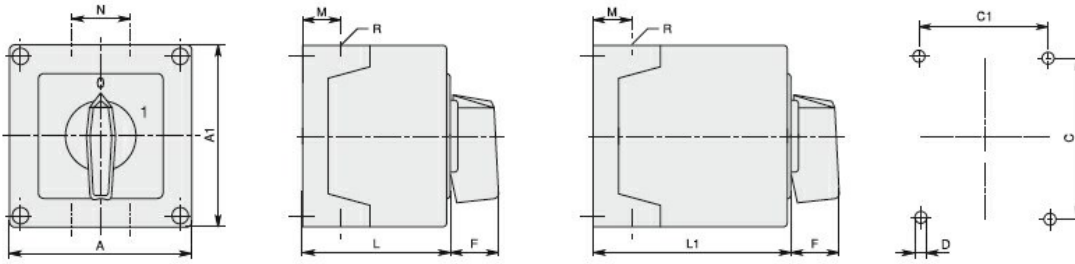
Frontal IP degree

IP65

Terminals IP degree

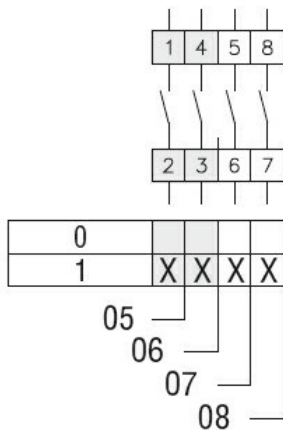
IP00

**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