

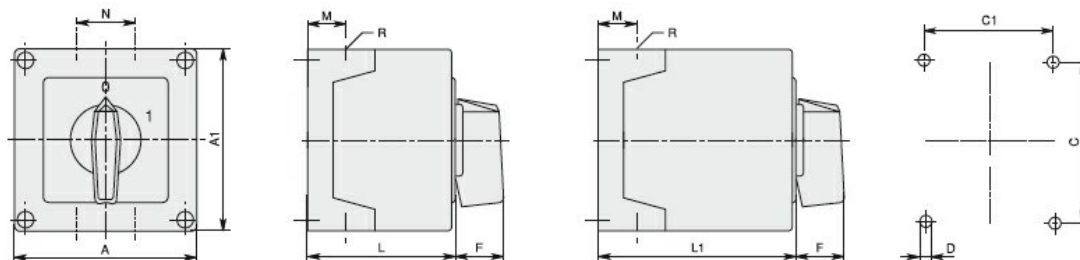
Product designation	Enclosed rotary cam switch		
Product type designation	7GN125		
General characteristics			
Switching diagram	87 - Multi-step 1-2-3-4 2 poles		
N° of elements	4		
Mounting form	P - Plastic enclosure with black handle		
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	690 600
Rated impulse withstand voltage Uimp		kV	6
Conventional free air thermal current Ith	IEC/EN UL/CSA	A A	125 130
Rated operational voltage		V	690
Rated operational impulse voltage		kV	6
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA 50kA 63kA	A A A A A	125 100 100 100 100
Rated short time current Icw	1s	kA	2100
Conductivity	10/5 mA/V		
Operational current Ie IEC/EN			
AC1/AC21A		A	125
AC15	110V 220/230V 380/400V 660/690V	A A A A	40 28 15 5
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V 500/690V	kW kW kW	18.5 37 33
Single-phase AC-3	110V 220/230V 380/440V	kW kW kW	5 11 15
Three-phase AC23A	220/230V 380/440V 500/690V	kW kW kW	30 45 37
Single-phase AC23A	110V 220/230V	kW kW	5 11

		380/440V	kW	15
Rated operational current in DC				
DC21A		48V	A	125
		60V	A	80
		110V	A	10
		220V	A	1.2
DC23A (poles in series)		24V	A	125 (1)
		48V	A	125 (2)
		60V	A	125 (3)
		110V	A	50 (3)
		220V	A	20 (4)
DC13		24V	A	125
		48V	A	100
		60V	A	50
		110V	A	4
Power dissipation			W	6.3
Mechanical features				
Terminals screw				M2X5
Tightening torque for terminals max			Nm	2
Conductor size				
AWG - Rigid cable		min	AWG	14
		Max	AWG	1/0
AWG - Flexible cable		min	AWG	14
		Max	AWG	1/0
Conductor size (IEC) - Flexible cable		min	mm ²	2.5
		Max	mm ²	50
Conductor size (IEC) - Rigid cable		min	mm ²	2.5
		Max	mm ²	50
Mechanical life			cycles	1X10 ⁶
UL technical data				
Motor power for direct-on-line control				
for three-phase motor		120V	HP	15
		240V	HP	25
		480V	HP	50
		600V	HP	40
for single-phase motor		120V	HP	5
		240V	HP	15
Ambient conditions				
Temperature				
Operating temperature		min	°C	-25
		max	°C	+55
Storage temperature		min	°C	-40
		max	°C	+70

Resistance & Protection

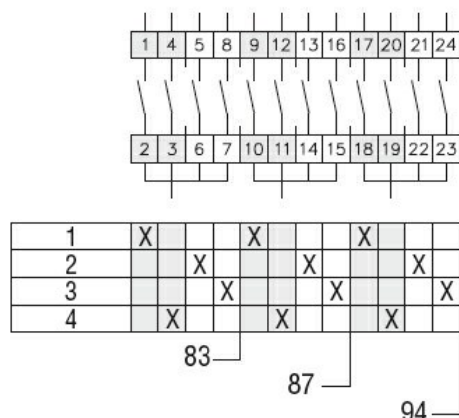
Frontal IP degree	IP65
Terminals IP degree	IP00

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