

Product designation			Rotary cam switches		
Product type designation			7GN40		
General characteristics					
Switching diagram			53 - Changeover switch 3 poles - 2 speed motor starting with separate windings		
N° of elements			3		
Mounting form			P - Plastic enclosure with black handle		
Contact characteristics					
Rated insulation voltage Ui			IEC/EN	V	690
			UL/CSA	V	600
Rated impulse withstand voltage Uimp				kV	6
Conventional free air thermal current Ith			IEC/EN	A	40
			UL/CSA	A	50
Rated operational voltage				V	480
Rated operational impulse voltage				kV	4
Maximum fuse size for short-circuit protection In (gG)			10kA	A	40
			15kA	A	40
			25kA	A	40
			50kA	A	40
			63kA	A	40
Rated short time current Icw			1s	kA	1000
			60s	A	1000
Conductivity			10/5 mA/V		
Operational current Ie IEC/EN					
AC1/AC21A				A	40
AC15			110V	A	25
			220/230V	A	22
			380/400V	A	12
			660/690V	A	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
			380/440V	kW	8
Three-phase AC23A			220/230V	kW	8
			380/440V	kW	18.5

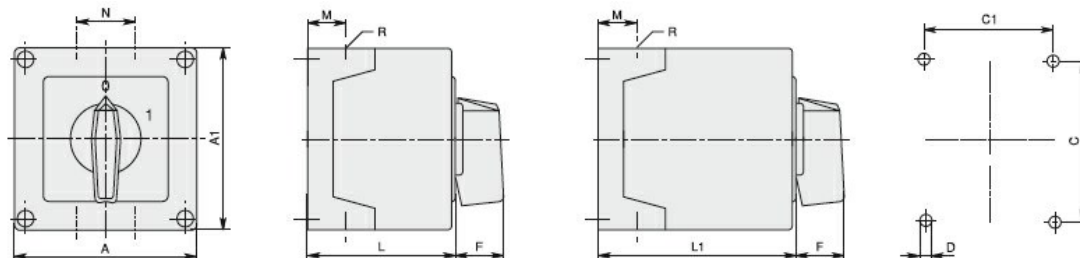
		500/690V	kW	22
Single-phase AC23A		110V	kW	3
		220/230V	kW	6
		380/440V	kW	11
Rated operational current in DC				
DC21A		48V	A	40
		60V	A	40
		110V	A	6
		220V	A	0.9
DC23A (poles in series)		24V	A	40 (1)
		48V	A	40 (2)
		60V	A	40 (3)
		110V	A	20 (3)
		220V	A	12 (4)
DC13		24V	A	40
		48V	A	32
		60V	A	16
		110V	A	3
Power dissipation			W	2.0
Mechanical features				
Terminals screw				M4
Tightening torque for terminals 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	mm ²	1.5
		Max	mm ²	6
Conductor size (IEC) - Rigid cable		min	mm ²	1.5
		Max	mm ²	10
Mechanical life			cycles	5x10 ⁶
UL technical data				
Motor power for direct-on-line control				
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
Ambient conditions				
Temperature				
Operating temperature		min	°C	-25

	max	°C	+55
Storage temperature			
	min	°C	-40
	max	°C	+70

Resistance & Protection

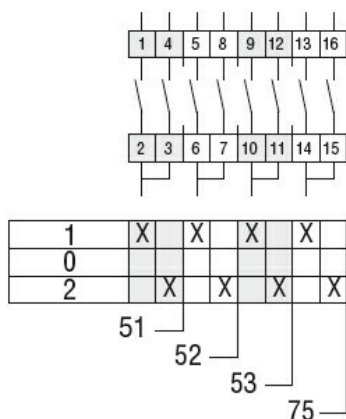
Frontal IP degree	IP65
Terminals IP degree	IP00

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	110x110	1	2-3	110	110	98.4	83	4.5	32	21	39.5	85.5	119.5	4xPG21	IP65
7GN12		1-4	5-8												
7GN20		1-4	5-8												
7GN25		1-3	4-5												
7GN32		1-3	4-5												
7GN40	125x175	1-2	3-5	125	175	146	112	5.5	32	21	68	84.3	118.3	4xPG21 2xPG11	IP65
7GN63		1-2	3-4												
7GN125		1	2												
7GN32		1-3	4-5												
7GN40	180x254	1-4	5-8	180	254	120	190	5.5	32	35	76	121	175	4xPG29 2xPG11	IP65
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

EC001105 - Off-
load switch