

Product designation	Rotary cam switches	
Product type designation	7GN20	
General characteristics		
Switching diagram	06 - ON/OFF switch 2 poles	
N° of elements	1	
Mounting form	U25 - Front mounting with red/yellow handle padlockable in 0 and protection covers	
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 20 UL/CSA A 20	
Rated operational voltage	V 480	
Rated operational impulse voltage	kV 4	
Maximum fuse size for short-circuit protection In (gG)	10kA A 20 15kA A 16 25kA A 16	
Rated short time current Icw	1s kA 250	
Conductivity	10/5 mA/V	
Operational current Ie IEC/EN		
AC1/AC21A	A 20	
AC15	110V A 10 220/230V A 8 380/400V A 6 660/690V A 1.5	
Rated operational power in AC		
Three-phase AC-3	220/230V kW 3 380/440V kW 5.5 500/690V kW 5.5	
Single-phase AC-3	110V kW 0.8 220/230V kW 2.2 380/440V kW 3	
Three-phase AC23A	220/230V kW 5 380/440V kW 7.5 500/690V kW 7.5	
Single-phase AC23A	110V kW 0.8	

	220/230V	kW	2.5
	380/440V	kW	3.7
Rated operational current in DC			
DC21A			
	48V	A	20
	60V	A	20
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)			
	24V	A	20 (1)
	48V	A	20 (2)
	60V	A	20 (3)
	110V	A	10 (3)
	220V	A	8 (4)
DC13			
	24V	A	20
	48V	A	16
	60V	A	12
	110V	A	1
	220V	A	0.4
	440V	A	0.15
Power dissipation		W	0.8
Mechanical features			
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 ²	0.5
	Max	mm ²	2.5
Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	2.5
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	1.5
	240V	HP	3
	480V	HP	7.5
	600V	HP	10
for single-phase motor			
	120V	HP	0.75
	240V	HP	2
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25

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

Resistance & Protection

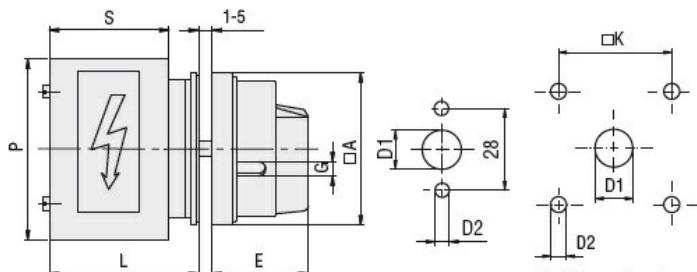
Frontal IP degree

IP40

Terminals IP degree

IP00

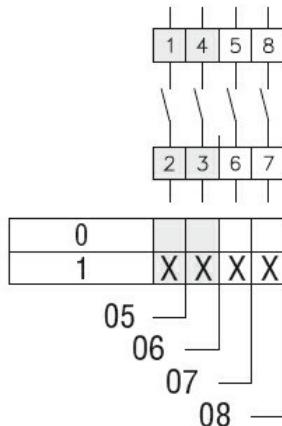
Dimensions



Drillings for 4 screws fixing (4V version).

Series	Dimensions								
	□A	D1	D2	E	G	□K	S	P	L
7GN12	65	12	5	34.2	5	36	43	64	54.3
7GN20	65	12	5	34.2	5	36	43	64	54.3
7GN25	65	12	5	34.2	5	36	51	68	62.6
7GN32	65	14	5	38	6	48	55	77	71.7
7GN40	65	14	5	38	6	48	55	77	71.7

Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 14

IEC/EN/BS 60947-1

IEC/EN/BS 60947-3

IEC/EN/BS 60947-5-1

UL60947-4-1

Certificates

cCSAus

EAC

UL

ETIM classification

ETIM 8.0

EC001105 - Off-load switch