

Product designation	Rotary cam switches
Product type designation	7GN25
General characteristics	
Switching diagram	53 - Changeover switch 3 poles - 2 speed motor starting with separate windings
N° of elements	3
Mounting form	U11 - Front mounting with black handle without front plate for hole diam. 22mm fixing
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 25
	UL/CSA A 30
Rated operational voltage	V 480
Rated operational impulse voltage	kV 4
Maximum fuse size for short-circuit protection In (gG)	
	10kA A 25
	15kA A 25
	25kA A 25
Rated short time current Icw	
	1s kA 400
Conductivity	10/5 mA/V
Operational current Ie IEC/EN	
AC1/AC21A	
	A 25
AC15	
	110V A 16
	220/230V A 12
	380/400V A 8
	660/690V A 2
Rated operational power in AC	
Three-phase AC-3	
	220/230V kW 5.5
	380/440V kW 7.5
	500/690V kW 7.5
Single-phase AC-3	
	110V kW 1.5
	220/230V kW 3
	380/440V kW 5.5
Three-phase AC23A	
	220/230V kW 6.5
	380/440V kW 11

ROTARY CAM SWITCH 7GN SERIES, CHANGEOVER SWITCH 3 POLES 25A, FOR FRONT MOUNTING WITH BLACK HANDLE WITHOUT FRONT PLATE FOR HOLE Ø22MM FIXING

	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5
	220/230V	kW	3.7
	380/440V	kW	5.5
Rated operational current in DC			
DC21A			
	48V	A	25
	60V	A	25
	110V	A	4
	220V	A	0.7
DC23A (poles in series)			
	24V	A	25 (1)
	48V	A	25 (2)
	60V	A	25 (3)
	110V	A	12 (3)
	220V	A	10 (4)
DC13			
	24V	A	25
	48V	A	20
	60V	A	16
	110V	A	1.5
	220V	A	0.4
Power dissipation		W	1.1
Mechanical features			
Terminals screw			M3.5
Tightening torque for terminals max		Nm	0.8
Conductor size			
AWG - Rigid cable			
	min	AWG	20
	Max	AWG	10
AWG - Flexible cable			
	min	AWG	20
	Max	AWG	12
Conductor size (IEC) - Flexible cable			
	min	mm ²	0.5
	Max	mm ²	4
Conductor size (IEC) - Rigid cable			
	min	mm ²	0.5
	Max	mm ²	4
Mechanical life		cycles	5x10 ⁶
UL technical data			
Motor power for direct-on-line control			
for three-phase motor			
	120V	HP	3
	240V	HP	5
	480V	HP	10
	600V	HP	15
for single-phase motor			
	120V	HP	1.5
	240V	HP	3
Ambient conditions			
Temperature			
Operating temperature			

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min	°C	-25
max	°C	+55

Storage temperature

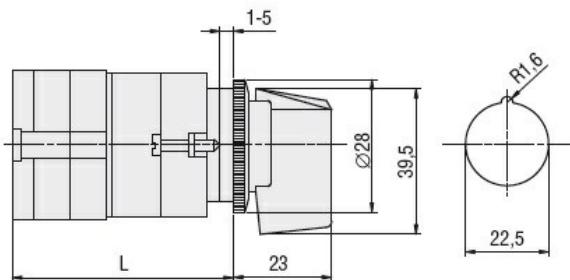
min	°C	-40
max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
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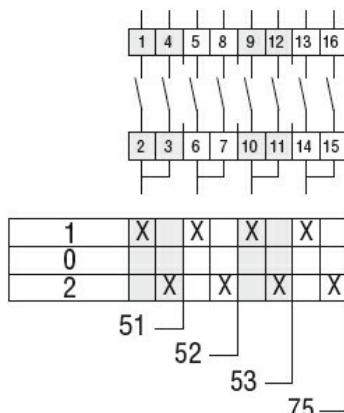
Terminals IP degree	IP00
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Dimensions



Series	L			
	1	2	3.....8	
7GN12	47	56.7	66.4	114.9
7GN20	47	56.7	66.4	114.9
7GN25	51.4	65	78.6	146.6

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

EC001029 -
Selector switch,
complete