

Product designation				Rotary cam switches
Product type designation				7GN25
General characteristics				
Switching diagram				05 - ON/OFF switch 1 pole
N° of elements				1
Mounting form				U - Front mounting with black handle
Contact characteristics				
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	25	
	UL/CSA	A	30	
Rated operational voltage		V	480	
Rated operational impulse voltage		kV	4	
Maximum fuse size for short-circuit protection I_n (gG)	10kA	A	25	
	15kA	A	25	
	25kA	A	25	
Rated short time current I_{cw}	1s	A	400	
Conductivity				10/5 mA/V
Operational current I_e 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	
	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	min	°C	-25
	max	°C	+55

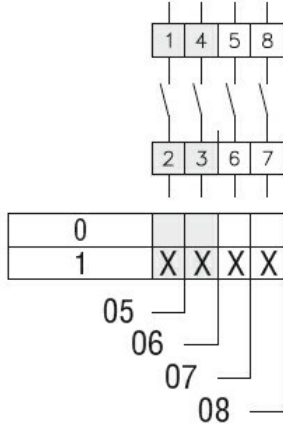
Storage temperature	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions

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
----------	--