ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 25A, FOR REAR MOUNTING WITH RED/YELLOW HANDLE PADLOCKABLE IN 0, DOOR COUPLING AND PROTECTION COVERS, FRONT PLATE 65X65MM

Product designation			Rotary cam switches
Product type designation			7GN25
General characteristics			
Switching diagram			08 - ON/OFF switch 4 poles
N° of elements			2
Mounting form			O98 - Rear mounting with red/yellow handle padlockable in 0, door coupling 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	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	A	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
	500/690V	kW	11
Single-phase AC23A			
	110V	kW	1.5

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	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	mm²	0.5
	Max	mm²	4
Conductor size (IEC) - Rigid cable			
	min	mm²	0.5
	Max	mm²	4
Mechanical life		cycles	$5{\times}10^6$

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			

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	min	°C	-40
	max	°C	+70

Resistance & Protection

Frontal IP degree	IP40
Terminals IP degree	IP00

Dimensions
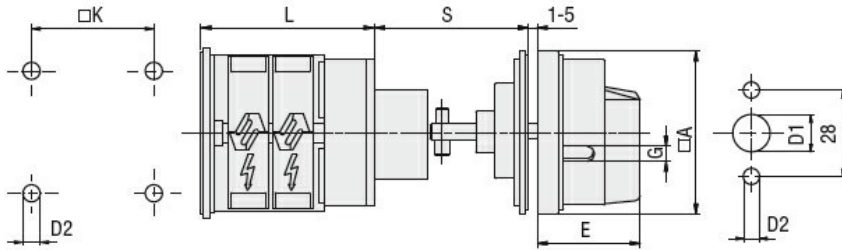
Series	Dimensions							L			
	□A	D1	D2	E	G	□K	S	1	2	3...	...12
7GN12	65	12	5	34.2	5	36	45 - 55	41.1	50.8	60.5	147.8
7GN20	65	12	5	34.2	5	36	45 - 55	41.1	50.8	60.5	147.8
7GN25	65	14	5	38	6	48	45 - 55	51.5	66.6	81.7	217.6
7GN40	65	14	5	38	6	48	45 - 55	51.5	66.6	81.7	217.6
7GN63	65	14	6	38	6	68	45 - 55	57.3	75.4	93.5	256.4

Wiring diagrams
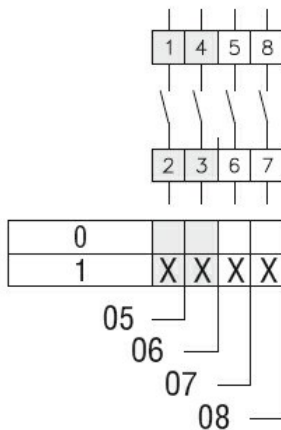
Certifications and compliance

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