7GN1208U

ROTARY CAM SWITCH 7GN SERIES, ON-OFF SWITCH 4 POLES 125A, FOR FRONT MOUNTING WITH BLACK HANDLE, FRONT PLATE 48X48MM

Product designation			Rotary cam switches
Product type designation			7GN12
General characteristics			
Switching diagram			08 - ON/OFF switch 4 poles
N° of elements			2
Mounting form			U - Front mounting 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	16
	UL/CSA	A	15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)			
	10kA	A	16
	15kA	A	10
	25kA	A	10
Rated short time current Icw			
	1s	kA	200
Conductivity			10/5 mA/V
Operational current Ie IEC/EN			
AC1/AC21A			
		A	16
AC15			
	110V	A	10
	220/230V	A	8
	380/400V	A	4
	660/690V	A	1.5
Rated operational power in AC			
Three-phase AC-3			
	220/230V	kW	2.5
	380/440V	kW	4
	500/690V	kW	5.5
Single-phase AC-3			
	110V	kW	0.8
	220/230V	kW	1.5
	380/440V	kW	2.2
Three-phase AC23A			
	220/230V	kW	3
	380/440V	kW	5.5
	500/690V	kW	7.5
Single-phase AC23A			
	110V	kW	0.8
	220/230V	kW	1.7
	380/440V	kW	3
Rated operational current in DC			

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DC21A				
	48V	A	12
	60V	A	12
	110V	A	4
	220V	A	0.6
	440V	A	0.25
DC23A (poles in series)				
	24V	A	10 (1)
	48V	A	10 (2)
	60V	A	10 (3)
	110V	A	5 (3)
	220V	A	5 (4)
DC13				
	24V	A	12
	48V	A	10
	60V	A	8
	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	mm²	0.5
	Max	mm²	2.5
Conductor size (IEC) - Rigid cable				
	min	mm²	0.5
	Max	mm²	2.5
Mechanical life		cycles	$3x10^6$
UL technical data				
Motor power for direct-on-line control				
for three-phase motor				
	120V	HP	1.5
	240V	HP	3
for single-phase motor				
	120V	HP	0.5
	240V	HP	1
Ambient conditions				
Temperature				
Operating temperature				
	min	°C	-25
	max	°C	+55
Storage temperature				
	min	°C	-40
	max	°C	+70
Resistance & Protection				

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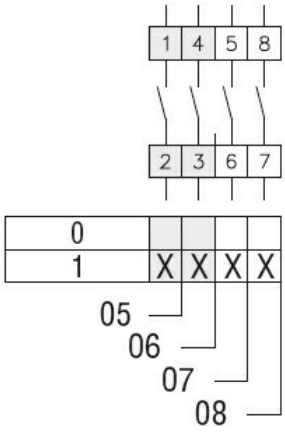
Frontal IP degree	IP40
Terminals IP degree	IP00

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

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