



Products for tomorrow...

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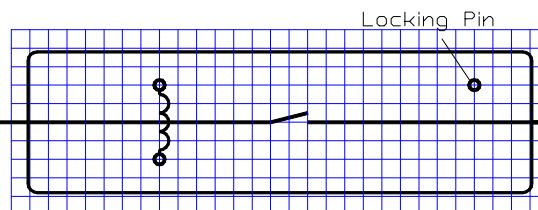
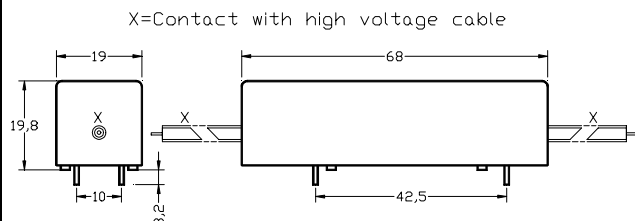
Reed Relay: HM24-1A69-150-UL

Part Number: 8424169158

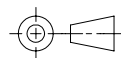
Dimensions (mm)

Layout / Pitch 2,5 mm / Top View

Marking



MEDER-Label
Type
Layout
Production-
Code-
EN60062
/Factory Code



Pins: $\varnothing 0,8 \text{ mm}$ / L $3,2 \pm 0,3 \text{ mm}$

Cable: HV insulation sleeve PTFE / L 150 mm

Coil/Relay Characteristics	Conditions at 20°C	Min.	Typ.	Max.	Units
Coil Resistance		540	600	660	Ω
Nominal Voltage			24		VDC
Nominal Rated Power			960		mW
Thermal Resistance			24		K / W
Operate Voltage				18	VDC
Release Voltage		3,5			VDC

Contact Data 69 (Form A/Dry)					
Contact Rating	Any combination of the switching voltage and current must not exceed the given rated power			50	W
Switching Voltage	DC or Peak AC			10.000	V
Switching Current	DC or Peak AC			3	A
Carry Current	DC or Peak AC			5	A
Static Contact Resistance (initial)	Measured with Nominal Voltage			150	m Ω
Insulation Resistance	RH 45%	10^{10}			Ω
Breakdown Voltage		15.000			VDC
Operate Time, including Bounce	Measured with Nominal Voltage			3,0	ms
Release Time	Measured with no coil suppression			1,5	ms
Capacitance			0,6		pF

Environmental Data					
Insulation Resistance Coil to Contact	RH 45%	10^{12}			Ω
Dielectric Strength Coil to Contact		15			kV DC
Shock	½ sine wave, duration 11ms			50	g
Vibration	at 800 Hz			20	g
Operating Temperature	10°C/min max. allowable	-20		70	°C
Storage Temperature	10°C/min max. allowable	-35		105	°C
Soldering Temperature	5 sec. at			260	°C
Cleaning					fully sealed
Material of Pins					Cu-alloy tinned
Material of Case	UL94-HB File-No. E45329 (M)		Lexan 141R / General Electric		
Material of Pinplate and Bobbin	UL94-V-0 File-No. QMFZ-2. E42337		CELANEX PBT		
Sealing Compound	UL94-V-2 File-No. E72640 (M)		Polyurethan E 8702 FW-Z / Herberts		
Remarks	High Voltage Reed Relay for PCB Mounting with UL-Material. (Contact with HV-Cable)				

Customer / Customer part number	Standard Part
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