



Products for tomorrow...

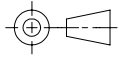
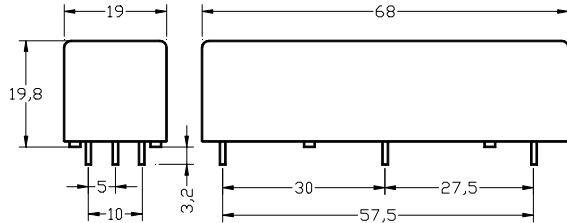
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Reed Relay: HM12-1A83-03

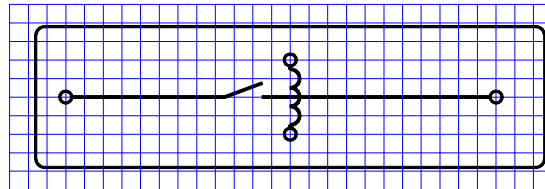
Part Number: 8412183003

Dimensions (mm)



Pins: \varnothing 0,8 mm / L 3,2 ± 0,3 mm

Layout / Pitch 2,5 mm / Top View



Marking

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

Coil/Relay Characteristics	Conditions at 20°C	Min.	Typ.	Max.	Units
Coil Resistance		225	250	275	Ω
Nominal Voltage			12		VDC
Nominal Rated Power			576		mW
Thermal Resistance			24		K / W
Operate Voltage				9	VDC
Release Voltage		2			VDC

Contact Data 83 (Form A/Dry)		Min.	Typ.	Max.	Units
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			7500	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	mΩ
Insulation Resistance	RH 45%	10 ¹⁰			Ω
Breakdown Voltage		10.000			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		Min.	Typ.	Max.	Units
Insulation Resistance Coil to Contact	RH 45%	10 ¹²			Ω
Dielectric Strength Coil to Contact		10			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 Case					Plastics / Polycarbonat
Sealing Compound					Polyurethan
Material of Pins					Cu-alloy tinned
Remarks	High Voltage Reed Relay for PCB Mounting. (03 = PIN OUT Index)				

Customer / Customer part number	Standard Part
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