



Products for tomorrow...

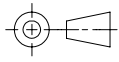
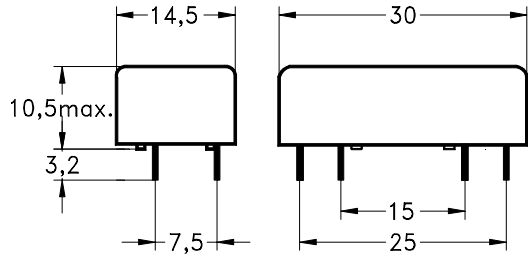
Headquarter Europe
 MEDER electronic AG
 Friedrich-List Strasse 6
 D-78234 Engen-Welschingen
 Tel.: +49(0)7733-9487-0
 Fax: +49(0)7733-9487-32
 eMail: info@meder.com
 Internet: www.meder.com

Headquarter USA
 MEDER electronic Inc.
 766 Falmouth Rd
 Mashpee, MA 02649
 Phone: +1/ 508-539-0002
 Fax: +1/ 508-539-4088
 eMail: salesusa@meder.com

Reed Relay: MRE12-1B79-HI

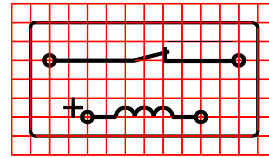
Part Number: 8212179504

Dimensions (mm)



Pins: \varnothing 0,65 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		801	890	979	Ω
Nominal Voltage			12	15	VDC
Nominal Rated Power			162		mW
Thermal Resistance			70		K / W
Operate Voltage				9	VDC
Release Voltage		2			VDC

Contact Data 79 (Form A/Dry)					
Contact Rating	Any combination of the switching voltage and current must not exceed the given rated power			25	W
Switching Voltage	DC or Peak AC			1000	V
Switching Current	DC or Peak AC			1	A
Carry Current	DC or Peak AC			2	A
Static Contact Resistance (initial)	Measured with Nominal Voltage			150	m Ω
Insulation Resistance	RH 45%	10^{14}			Ω
Breakdown Voltage		1500			VDC
Operate Time, including Bounce	Measured with Nominal Voltage			1,0	ms
Release Time	Measured with no coil suppression			0,4	ms
Capacitance			0,4		pF

Environmental Data					
Insulation Resistance Coil to Contact	RH 45%	10^{14}			Ω
Dielectric Strength Coil to Contact		2			kV AC
Shock	½ sine wave, duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating Temperature	10°C/min max. allowable	-20		70	°C
Storage Temperature	10°C/min max. allowable	-35		95	°C
Soldering Temperature	5 sec. at			260	°C
Material of Case		Plastics / Polycarbonat			
Sealing Compound		Polyurethan (special HI)			
Material of Pins		Cu-alloy tinned			
Remarks	Relay with extremely high insulation resistance and internal magnetic shield.				

Customer / Customer part number	general purpose
---------------------------------	-----------------