



*Products for tomorrow*

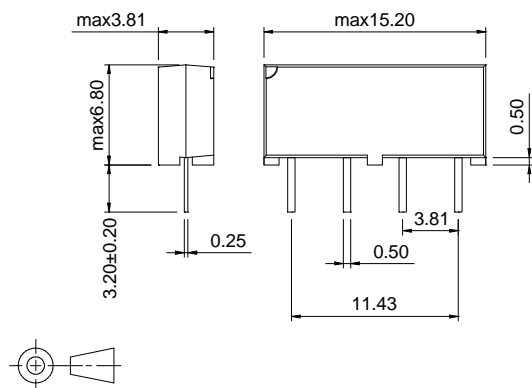
Headquarter Europe  
MEDER electronic AG  
Friedrich-List Strasse 6  
D-78234 Engen-Welschingen  
Tel.: +49(0)7733-9487-0  
Fax: +49(0)7733-9487-32  
eMail: [info@meder.com](mailto:info@meder.com)  
Internet: [www.meder.com](http://www.meder.com)

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](mailto:salesusa@meder.com)

Reed Relay: MS05-1A87-75D

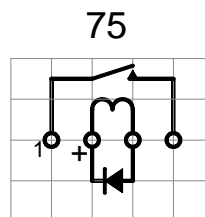
Part Number: 4205187175

**Dimensions** (mm) Unspecified Tolerances +/- 0.10mm



**Layout / Pitch** 3.81 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		252	280	308	Ω
Nominal Voltage			5.0		VDC
Nominal Rated Power			90		mW
Operate Voltage				3.5	VDC
Release Voltage		0.75			VDC

Contact Data 87 (Form A/Dry)					
Contact Rating	Any combination of the switching voltage and current must not exceed the given rated power			10	W
Switching Voltage	DC or Peak AC			200	V
Switching Current	DC or Peak AC			0.5	A
Carry Current	DC or Peak AC			1.0	A
Static Contact Resistance (initial)	Measured with Nominal Voltage			150	mΩ
Insulation Resistance	RH 45%	10 <sup>11</sup>	10 <sup>12</sup>		Ω
Breakdown Voltage		225			VDC
Operate Time, including Bounce	Measured with Nominal Voltage			0.5	ms
Release Time	Measured with no coil suppression			0.1	ms
Capacitance			0.2		pF

Environmental Data					
Insulation Resistance Coil to Contact	RH 45%	10 <sup>13</sup>	10 <sup>14</sup>		Ω
Dielectric Strength Coil to Contact		1.5			kV DC
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
Cleaning		fully sealed			
Material of Case		mineral filled epoxy			
Material of Pins		FeNi-alloy tinned			
Remarks					

Customer / Customer part number	
---------------------------------	--