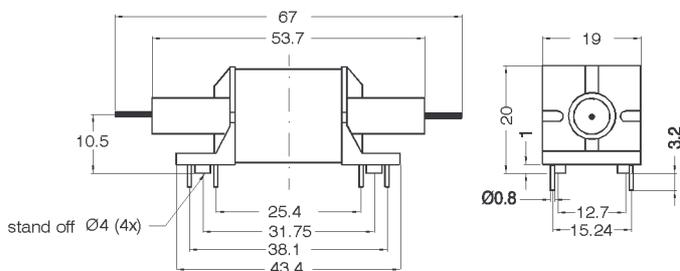


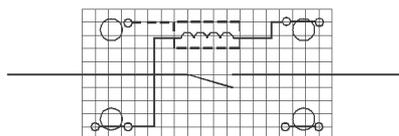
DIMENSIONS (mm)



Pins: Ø0.8 mm
 L = 3.2±0.3
 Material: Cu-alloy tinned

unspecified tolerances acc. to DIN ISO 2768-m

LAYOUT
 pitch 2.54 mm/Top view



MARKING

MEDER-Label
 Type
 Production code,
 EN60062/Factory code



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		225	250	275	Ohm
Coil voltage			12		VDC
Rated power			575		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		33		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		2			VDC

Contact data 54	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			25	W
Switching voltage	DC or Peak AC			500	V
Switching current	DC or Peak AC			1,5	A
Carry current	DC or Peak AC			5	A
Contact resistance static	Measured with 40% overdrive Start Value			30	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage	according to EN 60255-5	5			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	ms
Capacity	@ 10 kHz across open switch		2,5		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				A - NO	
Dielectric Strength Coil/Contact	according to EN 60255-5	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Dielectric Strength Coil/Shield	according to EN 60255-5	0,5			kV DC
Dielectric Strength Shield/Contact	according to EN 60255-5	10			kV DC
Capacitance coil to contact			1,2		pF
Housing material				Plastic	
Connection pins				Copper alloy tin plated	
Magnetic Shield				yes	
Sealing compound				Polyurethan	
Remarks				Coil protection - Silicone Elastomer	

Environmental data	Conditions	Min	Typ	Max	Unit
--------------------	------------	-----	-----	-----	------

Modifications in the sense of technical progress are reserved

Designed at: 23.05.08 Designed by: MPOTUZAK
 Last Change at: 22.05.12 Last Change by: CRUF

Approval at: 26.05.08 Approval by: DSTASTNY
 Approval at: 22.05.12 Approval by: CRUF

Version: 03



Products for tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com
USA: +1 / 508 295 0771 | Email: salesusa@meder.com
Asia: +852 / 2955 1682 | Email: salesasia@meder.com

Item No.:
8612154004
Item:
HF12-1A54-8

Environmental data	Conditions	Min	Typ	Max	Unit
Operating temperature		-40		70	°C
Storage temperature		-40		70	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Packaging					

Modifications in the sense of technical progress are reserved

Designed at: 23.05.08 Designed by: MPOTUZAK
Last Change at: 22.05.12 Last Change by: CRUF

Approval at: 26.05.08 Approval by: DSTASTNY
Approval at: 22.05.12 Approval by: CRUF

Version: 03