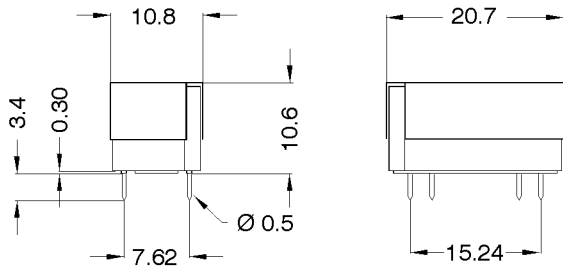
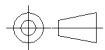


**DIMENSIONS (mm)**



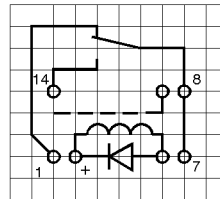
Pins: Ø0.5 mm  
 L = 3.4±0.3 mm  
 Material: Cu-alloy tinned



tolerances according to DIN ISO 2768 m

**LAYOUT 51S / TOP VIEW**

Pitch 2.54 mm



**MARKING**



MEDER-Label  
 Type  
 Production code,  
 EN60062/Factory code

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		1.980	2.200	2.420	Ohm
Coil voltage			12		VDC
Rated power			65		mW
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact data 90	Conditions	Min	Typ	Max	Unit
Contact-form		C			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC/ with 40% overdrive			175	V
Switching current	DC or Peak AC/with 40% overdrive			0,5	A
Carry current	DC or Peak AC/ with 40% overdrive			1	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	200			VDC
Operate time, incl. bounce	measured with 40% overdrive			0,7	ms
Release time	measured with no coil excitation			1,5	ms
Capacity	@ 10 kHz across open switch		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	1,5			kV DC
Housing material		PBT glass fibre reinforced			
Sealing compound		Polyurethan			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Ambient temperature		-20		70	°C
Storage temperature		-25		85	°C
Soldering temperature	wave soldering max. 5 sec			260	°C
Cleaning		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
--------------	------------	-----	-----	-----	------



*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.:  
**1312190951**  
Item:  
**DIL12-1C90-51SHR**

General data	Conditions	Min	Typ	Max	Unit
Remarks			with metal shielding		

Modifications in the sense of technical progress are reserved

Designed at: 01.08.07    Designed by: MPOTUZAK  
Last Change at: 07.08.07    Last Change by: DSTASTNY

Approval at: 03.08.07    Approval by: DSTASTNY  
Approval at: 07.08.07    Approval by: DSTASTNY

Version: 02