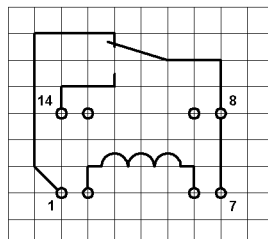
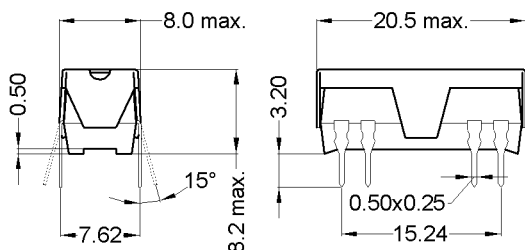
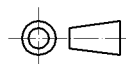


Dimensions

Layout 51D Pitch 2.54 / Top View

Marking

 Type - Layout
 Production-Code
 EN60062

 MEDER electronic
 DIP12-1C90-51M

 unspecified tolerances $\pm 0.1\text{mm}$
 nicht spezifizierte Toleranzen $\pm 0.1\text{mm}$

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		450	500	550	Ohm
Coil voltage			12		VDC
Rated power			288		mW
Coil current			24		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		105		K/W
Inductance			43		mH
Pull-In voltage				8,4	VDC
Drop-Out voltage		1,8			VDC

Contact data 90	Conditions	Min	Typ	Max	Unit
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			TOhm
Breakdown voltage	according to IEC 255-5	0,2			kV DC
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
Number of contacts			1		
Contact - form			Form C - Changeover		
Dielectric Strength Coil/Contact	according to IEC 255-5	1,5			kV DC
Insulation resistance Coil/Contact	40 °C, 95% R.H.	5			TOhm
Capacity Coil/Contact	@ 10 kHz		2		pF
Case colour			black		
Housing material			epoxy resin		
Connection pins			Copper alloy tin plated		
Magnetic Shield			yes		
Reach / RoHS conformity			yes		
Approval			UL File No. NRNT2.E156887		
Approval			UL File No. NRNT8.E156887		



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.:

3212190251

Item:

DIP12-1C90-51M

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-20		70	°C
Storage temperature		-35		95	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weight			3		g
Packaging		Tube per 25 piece			

Modifications in the sense of technical progress are reserved

Designed at: 07.01.09 Designed by: THAUKE

Approval at: 21.08.09 Approval by: KOLBRICH

Last Change at: 27.08.09 Last Change by: KSCHIELENSKI

Approval at: 27.08.09 Approval by: KOLBRICH

Version: 2