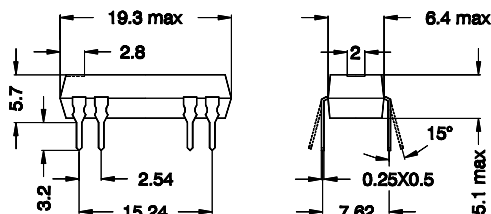
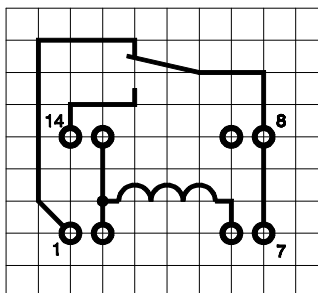


dimensions (tolerance $\pm 0,1\text{mm}$)

layout 52 L pitch 2,54 / top view

marking

 Type
 data-code EN 60062

 MEDER electronic
 DIP24-1C90-52L

coil data	condition	Min.	Typ.	Max.	unit
coil resistance	at 20°C	1800		2200	Ω
nominal voltage			24		VDC
pull-in voltage				16,8	VDC
drop-out voltage		3,6			VDC
coil voltage	at 20°C			44,0	VDC
coil voltage	at 60°C			28,5	VDC
nominal power	determined with nominal voltage and rated current		288		mW

contact data 90 (Form C/Dry)					
contact material		Rhodium			
rated power	each combination of the switching voltage and current must not exceed the given rated power			3	W
switching voltage				175	VDC
switching current				0,25	A
carry current				1,2	A
static contact resistance	initial values measured with $1,4 \times AT_{\text{pull-in}}$			150	m Ω
Insulation resistance	RH Ω 45%	10^9			Ω
breakdown voltage		200			VDC
capacitance	without test coil			1,0	pF

relay data					
insulation resistance coil-contact		10^{11}			Ω
insulation voltage coil-contact		1,5			kVDC
shock	$\frac{1}{2}$ sine wave, duration 11ms			50	g
vibration	50 – 2000Hz			30	g
operate time including bounce	measured at $1,4 \times AT_{\text{pull-in}}$		0,7		ms
release time			1,0		ms

general data					
operating temperature		-20		70	°C
storing temperature		-35		95	°C
soldering temperature	10 sec. at			260	°C
cleaning		fully sealed			
material of case		mineral-filled epoxy			
material of pins		Cu-alloy tinned			