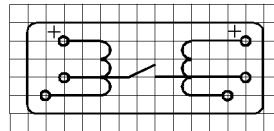
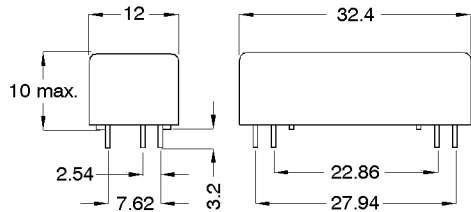


**LAYOUT**  
 pitch 2.54 mm/Top view


**MARKING**



Pins: Ø0.65 mm  
 L = 3.2±0.3 mm  
 Material: Cu-alloy tinned

**Coil polarity must be observed !**  
 In the operating of latching relays, the contact is closed by the application of a positive pulse (>=2ms) to one of the two coils, via the pin marked "+". This condition is maintained until one of the "+" pins receives a negative pulse (>=2ms).

MEDER-Label  
 Type/Layout  
 Production code,  
 EN60062/Factory code

 dimensions / Abmessungen (mm)  
 unspecified tolerances acc. to DIN ISO 2768-m

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance S1		4.560	5.060	5.560	Ohm
Coil resistance S2		4.560	5.060	5.560	Ohm
Coil voltage			12	18	VDC
Rated power			29		mW
Thermal Resistance			56		K/W
Pull-In voltage		0,8		8,4	VDC
Drop-Out voltage		0,8		8,4	VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
Contact-form		E - bistable			
Contact-material		Rhodium			
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			100	W
Switching voltage	DC or Peak AC			1.000	V
Switching current	DC or Peak AC			1	A
Carry current	DC or Peak AC 100% Duty Cycle			2,5	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			TOhm
Breakdown voltage	according to IEC 255-5	2.000			VDC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil excitation			0,1	ms

Special Product Data	Conditions	Min	Typ	Max	Unit
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1.000			GOhm
Insulation voltage Coil/Contact	according to IEC 255-5	2			kV AC
Housing material		Metal/magnetic shield/Fe			
Sealing compound		Polyurethan			
Connection pins		Copper alloy tin plated			
number of contacts		1			



*Products for tomorrow...*

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Item No.:  
**8812185700**  
Item:  
**BE12-1E85-M**

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		-40		105	°C
Soldering temperature	wave soldering max. 5 sec.				
Cleaning					fully sealed

Modifications in the sense of technical progress are reserved

Designed at: 17.10.08 Designed by: WKOVACS  
Last Change at: 02.03.09 Last Change by: MPOTUZAK

Approval at: 17.10.08 Approval by: KOLBRICH  
Approval at: 04.03.09 Approval by: DSTASTNY

Version: 02