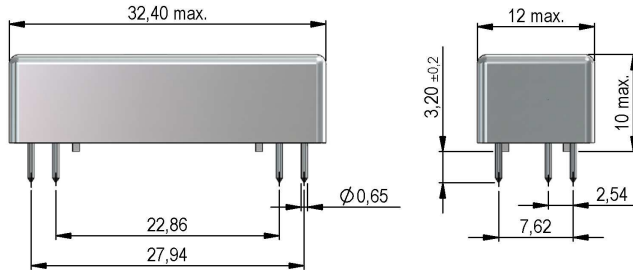


Dimensions mm[inch]

tolerances acc. to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m



Isometric

Scale 1:1
Maßstab 1:1



Coil polarity must be observed.

The contact is closed by applying a positive pulse (≥ 2 ms) to one of the two coils, via the pin marked "+".

This condition is maintained until one of the "+" pins, receives a negative pulse (≥ 2 ms).

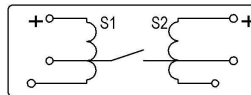
Die Polarität der Spule muß beachtet werden.

Der bistabile Kontakt schließt durch ein positiven Impuls (≥ 2 ms) auf einem der beiden Pins der Spulen mit "+" gekennzeichnet.

Dieser Zustand bleibt erhalten bis auf einem der beiden "+" Pins ein negativen Impuls (≥ 2 ms) angelegt wird.

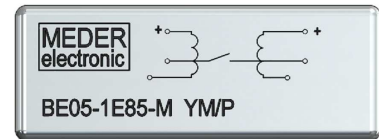
Layout

Top view
Draufsicht



Marking

according to EN60062/factory code
gem. EN60062/Fertigungsstätte



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance S1		765	850	935	Ohm
Coil resistance S2		765	850	935	Ohm
Coil voltage			5		VDC
Rated power			29		mW
Thermal resistance			56		K/W
Pull-In voltage		0,8		3,8	VDC
Drop-Out voltage		0,8		3,8	VDC

Contact Data 85	Conditions	Min	Typ	Max	Unit
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
Pulsed carry current	DC or Peak AC 5ms after coil excitation for 50ms max.			3	A
Contact resistance static	Measured with 40% overdrive			150	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation			200	mOhm
Contact resistance dynamic	Difference value 1,5 ms after excitation			20	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			TOhm
Breakdown voltage (<20 AT)		2.000			VDC
Operate time incl. bounce	measured with 40% overdrive			1,1	ms
Release time	measured with no coil suppression			0,1	ms
Capacitance	@ 10 kHz across open switch		0,5		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				E - bistable NO	
Dielectric Strength Coil/Contact	according to EN 60255-5	2			kV AC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	1			TOhm
Case color				silver metallic	
Housing material				Metal	
Sealing compound				Polyurethan	
Connection pins				cu-alloy tinned	
Magnetic Shield				yes	
Reach / RoHS conformity				yes	

Modifications in the sense of technical progress are reserved

Designed at: 10.07.08 Designed by: WKOVACS

Approval at: 15.10.08 Approval by: KOLBRICH

Last Change at: 13.12.16 Last Change by: WKOVACS

Approval at: 13.12.16 Approval by: DSTASTNY

Version: 05



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Item No.:

8805185701

Item:

BE05-1E85-M

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-40		85	°C
Storage temperature		-55		125	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability					fully sealed

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