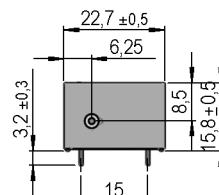
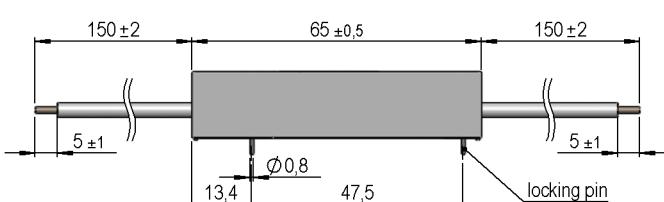


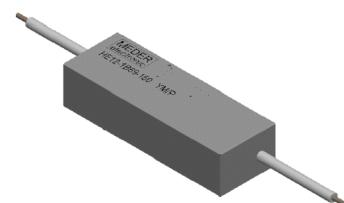
Dimensions (mm)

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



Isometric

Scale 1:2
Massstab 1:2



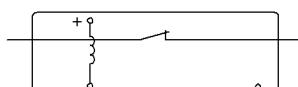
Cable

silicone high voltage wire AWG20
UL-Style 3239
colour white
Silikon Hochspannungslitze AWG20
UL-Style 3239
Farbe weiß

Terminals
ends tinned
Enden verzinkt

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		234	260	286	Ohm
Coil voltage			12		VDC
Rated power			554		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		24		K/W
Pull-In voltage				9	VDC
Drop-Out voltage		1			VDC

Contact data 69	Conditions	Min	Typ	Max	Unit
Contact rating	Any DC combination of V & A not to exceed their individual max.'s			50	W
Switching voltage	DC or Peak AC			10.000	V
Switching current	DC or Peak AC			3	A
Carry current	DC or Peak AC			5	A
Contact resistance static	Measured with 40% overdrive Start Value			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to EN 60255-5	11			kV DC
Operate time incl. bounce	measured with 40% overdrive			3	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		0,8		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			1		
Contact - form			B - NC		
Dielectric Strength Coil/Contact	according to EN 60255-5	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Case colour			gray		
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins			Copper alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		

Modifications in the sense of technical progress are reserved

Designed at: 30.05.08 Designed by: WKOVACS
 Last Change at: 18.06.12 Last Change by: WKOVACS

Approval at: 26.08.10 Approval by: KOLBRICH
 Approval at: 19.06.12 Approval by: CRUF

Version: 06



Products for
tomorrow...

Europe: +49 / 7731 8399 0 | Email: info@meder.com
USA: +1 / 508 295 0771 | Email: salesusa@meder.com
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Item No.:

8512169152

Item:

HE12-1B69-150

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		105	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability				fully sealed	

General data	Conditions	Min	Typ	Max	Unit
Total weight			54		g
Packaging			Cardboard Box	10pcs/each	

Modifications in the sense of technical progress are reserved

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Approval at: 19.06.12 Approval by: CRUF

Version: 06