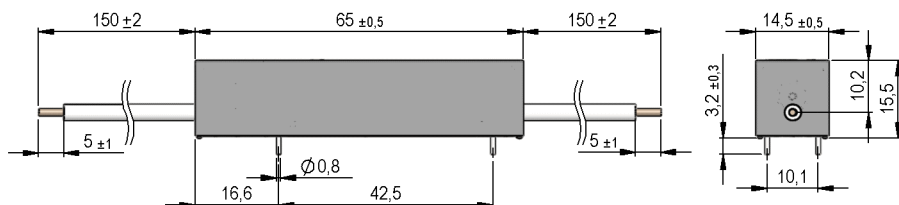


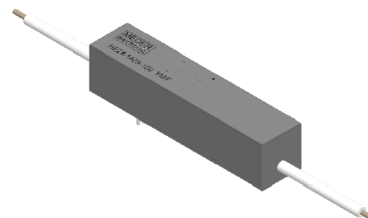
### Dimensions mm[inch]

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



### Isometric

Scale 1:2  
 Maßstab 1:2



### Cable

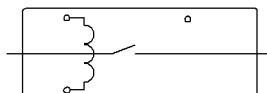
silicone high voltage wire AWG20  
 UL-Style 3239  
 colour white  
 Silikon Hochspannungslitze AWG20  
 UL-Style 3239  
 Farbe weiss

### Terminals

ends tinned  
 Enden verzinkt

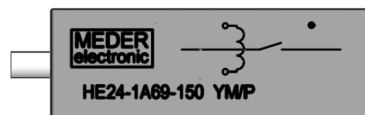
### Layout

Top view  
 Draufsicht



### Marking

according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		420	465	512	Ohm
Coil voltage			24		VDC
Rated power			1.240		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		24		K/W
Pull-In voltage				18	VDC
Drop-Out voltage		2			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			TOhm
Breakdown voltage	according to EN 60255-5	15			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			A - NO		
Dielectric Strength Coil/Contact	according to EN 60255-5	15			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		
Reach / RoHS conformity			yes		



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Item No.:  
**8524169150**  
Item:  
**HE24-1A69-150**

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			33		g
Packaging		cardboard box 10 pcs./each			

Modifications in the sense of technical progress are reserved

Designed at: 29.06.09    Designed by: WKOVACS    Approval at: 08.03.11    Approval by: KOLBRICH  
Last Change at: 18.04.13    Last Change by: SSCHNECKENBURGER    Approval at: 18.04.13    Approval by: SSCHNECKENBURGER    Version: 06