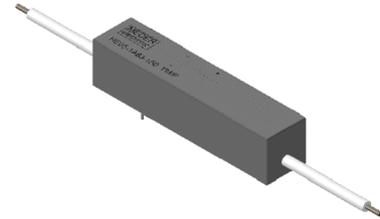
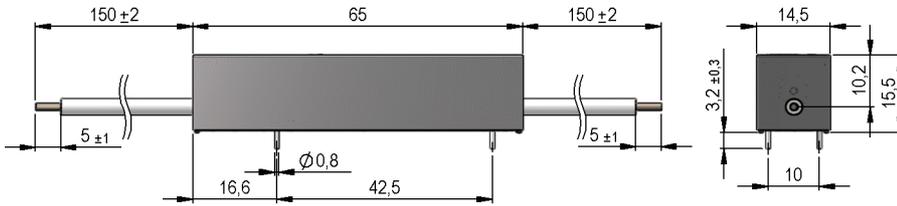


**Dimensions mm[inch]**  
 tolerances acc. to DIN ISO 2768-m  
 Toleranzen gem. DIN ISO 2768-m

**Isometric**  
 Scale 1:2  
 Maßstab 1:2



**Cable**

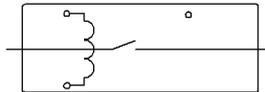
silicone high voltage wire AWG20  
 UL-Style 3239  
 colour white  
 Silikon Hochspannungslitze AWG20  
 UL-Style 3239  
 Farbe weiss

**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		42	48	54	Ohm
Coil voltage			5		VDC
Rated power			521		mW
Pull-In voltage				3,8	VDC
Drop-Out voltage		0,5			VDC

Contact data 83	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			7.500	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	1			TOhm
Breakdown voltage	according to EN 60255-5	10			kV DC
Operate time incl. bounce	measured with 40% overdrive			3,2	ms
Release time	measured with no coil excitation			1,5	ms
Capacitance	@ 10 kHz across open switch		1		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	10			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	10			GOhm
Case colour				grey	
Housing material				Polycarbonat	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
Reach / RoHS conformity				yes	
Cable type				silicon high-voltage wire AWG20 Style 3239, 15kVDC	



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Item No.:

**8505183150**

Item:

**HE05-1A83-150**

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
Packaging					card board box 10 pcs.

Modifications in the sense of technical progress are reserved

Designed at: 19.05.08    Designed by: MPOTUZAK

Approval at: 20.05.08    Approval by: DSTASTNY

Last Change at: 18.06.14    Last Change by: DSTASTNY

Approval at: 18.06.14    Approval by: DSTASTNY

Version: 06