

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

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		94	105	116	Ohm
Coil voltage			6		VDC
Rated power			342		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		20		K/W
Inductance			60,6		mH
Pull-In voltage				4,5	VDC
Drop-Out voltage		0,8			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	10			TOhm
Breakdown voltage	according to IEC 255-5	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		2,3		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts				1	
Contact - form				B - NC	
Dielectric Strength Coil/Contact	according to IEC 255-5	7,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC test voltage	1			TOhm
Capacity Coil/Contact	@ 10 kHz		4,8		pF
Case colour					
Housing material				Polycarbonat	
Sealing compound				Polyurethan	
Connection pins				Copper alloy tin plated	
Reach / RoHS conformity				yes	



Products for tomorrow...

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Item No.:
8506183152
Item:
HE06-1B83-150

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

General data	Conditions	Min	Typ	Max	Unit
Total weight			57,2		g
Packaging		Cardboard Box 10pcs/each			

Modifications in the sense of technical progress are reserved

Designed at: 17.08.09 Designed by: WKOVACS
Last Change at: 19.08.10 Last Change by: WKOVACS

Approval at: 18.08.09 Approval by: KOLBRICH
Approval at: 26.08.10 Approval by: KOLBRICH

Version: 03