
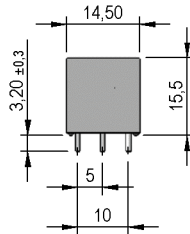
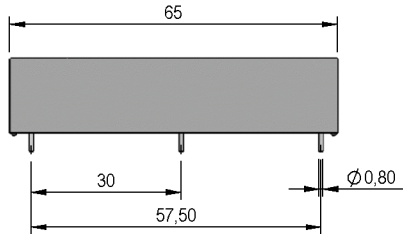


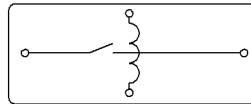
**Dimensions mm[inch]**

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



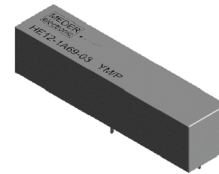
**Layout**

Top view  
 Draufsicht



**Isometric**

Scale 1:2  
 Maßstab 1:2



**Marking**

according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte



Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		100	110	120	Ohm
Coil voltage			12		VDC
Rated power			1.310		mW
Thermal resistance	max. Relay temperature = operating temperature + self heating		26		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 nominal voltage at 20°C			150	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	10			GOhm
Breakdown voltage	according to EN 60255-5	15.000			VDC
Release time	measured with no coil excitation			1,5	ms
Operate time incl. bounce	measured with nominal voltage at 20°C			3	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 measuring 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.:  
**8512169003**  
 Item:  
**HE12-1A69-03**

*Products for tomorrow...*

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		-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
Remark		High voltage reed relay for pcb mounting.			
Total weight			27		g
Packaging		styropor plate 25 pcs./ each			

Modifications in the sense of technical progress are reserved

Designed at: 02.02.11    Designed by: WKOVACS  
 Last Change at: 22.02.12    Last Change by: CRUF

Approval at: 07.10.11    Approval by: CRUF  
 Approval at: 22.02.12    Approval by: CRUF

Version: 03