

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

reed switch fixing with silicon compound  
 Reedschalterfixierung mit Silikon

**Cable**  
 Cu-Sn wire 0.6mm  
 silicon tube blue -  
 silicon tube red +  
 Cu-Sn Draht 0.6mm  
 Silikonschlauch blau -  
 Silikonschlauch rot +

**Layout**

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

**Marking**  
 according to EN60062/factory code  
 gem. EN60062/Fertigungsstätte

MEDER electronic  
 H24-1B69  
 YM/P

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		324	360	396	Ohm
Coil voltage			24		VDC
Rated power			1.600		mW
Coil current			67		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		29		K/W
Inductance			180		mH
Pull-In voltage				16,8	VDC
Drop-Out voltage		3,6			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 IEC 255-5	15.000			VDC
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		0,2		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	15			kV DC
Insulation resistance Coil/Contact	RH <45%, 100 VDC test voltage	10			TOhm
Capacity Coil/Contact	@ 10 kHz		1,1		pF
Case colour			nature		
Housing material			Crastin,SK 645FR, rated 94V-0, 140 °C, E.I. Dupont		
Connection pins			FeNi-alloy tin plated		
Magnetic Shield			no		
Reach / RoHS conformity			yes		
Remark			Coil polarity!		



*Products for tomorrow...*

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Item No.:  
**1924169214**  
Item:  
**H24-1B69**

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		-20		90	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weight			30		g
Packaging		Styrofoam tray, ESD neutral 50 pcs./each			

Modifications in the sense of technical progress are reserved

Designed at: 29.05.08    Designed by: ALICHTENSTEIN  
Last Change at: 31.01.11    Last Change by: WKOVACS

Approval at: 19.06.08    Approval by: KOLBRICH  
Approval at: 21.03.11    Approval by: CRUF

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