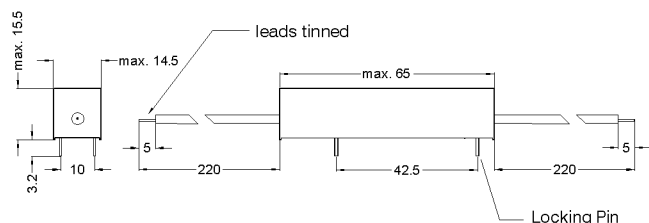


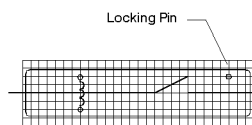
Preliminary Datasheet

DIMENSIONS (mm)

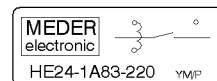


LAYOUT

pitch 2.5 mm/Top view



MARKING



PINS

 Pins: Ø0.8 mm
 L = 3.2±0.3 mm
 Material: Cu-alloy tinned

CABLE

 PTFE Single wire AWG20/7
 p/n 4003005300
 L = 220 mm

MARKING

 MEDER-Label
 Type/Layout
 Production code,
 EN60062/Factory code


Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		945	1.050	1.155	Ohm
Coil voltage			24		VDC
Rated power			549		mW
Coil current			999		mA
Thermal resistance	max. Relay temperature = operating temperature + self heating		999		K/W
Inductance			999		mH
Pull-In voltage				18	VDC
Drop-Out voltage		2			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 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		1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts			1		
Contact - form			A - NO		
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		999		pF
Case colour					
Housing material			Polycarbonat		
Sealing compound			Polyurethan		
Connection pins					
Magnetic Shield					
Reach / RoHS conformity			yes		
Remark			High voltage relay for pcb montage with HV cable		



Products for tomorrow...

Europe: +49 / 7731 8399 0

| Email: info@meder.com

USA: +1 / 508 295 0771

| Email: salesusa@meder.com

Asia: +852 / 2955 1682

| Email: salesasia@meder.com

Item No.:

8524183220

Item:

HE24-1A83-220

Preliminary Datasheet

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		-25		85	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Total weight			999		g
Packaging		VPE			

Modifications in the sense of technical progress are reserved

Designed at: 01.10.08

Designed by:

MPOTUZAK

Approval at:

01.10.08

Approval by:

DSTASTNY

Last Change at: 06.11.09

Last Change by:

SERVICES_EUROPE

Approval at:

Approval by:

Version: 02