



**HIRSCHMANN**

A **BELDEN** BRAND

## Manufacturer`s Declaration of Conformity

**Hirschmann Automation and Control GmbH**

**Stuttgarter Straße 45-51  
D-72654 Neckartenzlingen, Germany**

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declares in sole responsibility, that the product

### **MACH 1000 Ruggedized Switch Family**

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(Product description)

**MACH1020, MACH1030, MACH1120, MACH1130**  
with the following possible product codes:  
**[MAR1020-|MAR1030-|MAR1120-|MAR1130-] [99|CC|40|4T|OT]**  
**12x[99|TT|MM|JJ|NN|VV|UU|LL|GG|ZZ|RR]**  
**[U|F] [G|M] [9|G|M] [H] [x] [H] [H] [xx.x.xx]**

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Type, reference number)

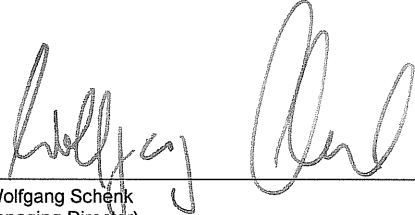
has been designed and manufactured in accordance with the following standard

### **NEMA TS 02.06 Section 2 ENVIRONMENTAL REQUIREMENTS**

Test description	Section	Requirement
Operating Voltage	2.1.2	89 V AC – 135 V AC
Operating Frequency	2.1.3	60 Hz ±3 Hz
Ambient Temperature	2.1.5.1	-34°C – +74°C
Relative Humidity	2.1.5.2	18 % – 90 %, non condensing *1)
Mechanical Vibration	2.1.9	0.5g, sine 30 Hz, 1 hour, three planes
Mechanical Shock	2.1.10	±10g / half sine, 11 ms, three planes

\*1) option with conformal coating is available

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(Wolfgang Schenk  
Managing Director)

  
(Peter Schuster  
Quality Manager)

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Neckartenzlingen, 2009-04-08

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(Issue place and date)