

## Manufacturer`s Declaration of Conformity

**Hirschmann Automation and Control GmbH**

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

---

declares in sole responsibility, that the product(s)

### **DC Rail Power Supply**

(Product description)

**RPSS75 - 12 V EEC  
RPSS75 - 24 V EEC**

---

(Type, reference number)


has been designed and manufactured in accordance with the following standards

### **EN 50121-4:2016 +A1:2019 – Railway Applications** **– EMC – Signalling and telecommunication apparatus**

Test description	EN 50121-4 Section	Test Reference	Requirement
Radiated electromagnetic field	table 2.1 table 2.2	IEC 61000-4-3 IEC 61000-4-3	80...800 MHz, 10 V/m 800...1000 MHz, 20 V/m 1400...2000 MHz, 10 V/m 2000...2700 MHz, 5 V/m 5100...6000 MHz, 3 V/m
Power frequency magnetic field	table 2.3	IEC 61000-4-8	16,7 Hz, 100 A/m 50 Hz, 100 A/m 0 Hz, 100 A/m
Electrostatic Discharge	table 2.4	IEC 61000-4-2	±6 kV contact discharge ±8 kV air discharge
Conducted disturbances	table 3.1/ 4.1/ 5.1/ 6.1	IEC 61000-4-6	<i>Power ports:</i> 10 V
Fast transient / burst	table 3.2/ 4.2/ 5.2/ 6.2	IEC 61000-4-4	<i>Power ports:</i> ±2kV
Surges 1,2/50µs	table 3.3/ 4.3/ 5.3	IEC 61000-4-5	<i>Power ports:</i> CM ±2kV DM ±1kV


Radiated Emission	5	EN 61000-6-4	30...230 MHz: 40 dB $\mu$ V/m (10m) 230...1000 MHz: 47 dB $\mu$ V/m (10m)
Conducted Emission on AC or DC power ports	table 1.1	EN 55016-2-1	<i>Power ports:</i> 150...500 kHz: 79 dB $\mu$ V qp. 66 dB $\mu$ V av. 500 kHz...30 MHz: 73 dB $\mu$ V qp. 60 dB $\mu$ V av.

---



(Wolfgang Schenk  
VP Business Development  
Industrial Automation)

---



(i.v. Peter Schumacher  
Quality Manager)

---

Neckartenzlingen, 2024-10-15  
(Issue place and date)