

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)

RPSS480 - 48 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 μ V/m (10m) 230... 1000 MHz: 47 dB μ 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 μ V qp. 66 dB μ V av. 500 kHz...30 MHz: 73 dB μ V qp. 60 dB μ V av.



(Wolfgang Scherk
VP Business Development
Industrial Automation)



(i.V. Peter Schumacher
Quality Manager)

Neckartenzlingen, 2024-10-15

(Issue place and date)