

RN3278 Product Datasheet

UPDU® RCM Module/Outlet Metered
3x16A 18C13 6C19 red

Revision: 2, Edition: 2

Date: 2025-08-11

Doc gen: v1.3.1-e8d572c2

Product features

Modularity	Yes, fully modular design, all modules assembled from the front and easily replaceable
Metering	Voltage (V), Current (A), Active Power (W), Apparent Power (VA), Reactive Power (var), Active energy (kWh), Reactive energy (kvarh, capacitive and inductive), Frequency (Hz), Power Factor, RCM AC and DC on Inlet (mA)
Metering accuracy	Billing-grade accuracy (<0.5%), compliant with, but not certified MID (Measuring Instruments Directive) 2014/32/EU, EN50470-1 (general requirements, test and conditions) and EN50470-3, Class C (static meters for active energy, class C (0.5% precision))
Measurment values per inlet	Yes
Measurment values per branch	Yes
Measurment values per module	Yes
Measurment values per outlet	With additional license
Load curves storage	High resolution load curves (one sample/second) for 2+ hours. Load curves stored in non-volatile memory for 60+ days (1 minute interval)
Outlet switching	No
Environmental sensor interfaces	3x AUX ports for external sensors (temperature, humidity and differential pressure sensor, other sensors on request)
Alarms	Free setting of 4 thresholds on: - single outlets, modules, branches or phases - current, voltage, etc. temperature and humidity - RCM AC and DC on Inlet
Display	Large auto-orienting 2.4" graphic full-color TFT display
Network Interfaces	2x Gigabit Ethernet ports with - Power over Ethernet (PSE and PD) and - internal Gigabit switch for cascading an unlimited number of UPDUs 1x 100Mbit Ethernet port

Remote management / protocols	Console (serial), Telnet, DHCP, SNMP v2/v3, NTP, HTTP, HTTPS, IPv4/v6, RSTP, REST API, SSH, Syslog, Modbus TCP/TLS, LDAP, Radius, TACACS+
USB	2x high-speed USB Ports (type A)
Quick select button	Yes, on each Power Outlet Module

Input specification

Power rating	11kVA
Rated inlet voltage	175-415/100-240V~
Rated inlet current	3x16A
Rated frequency	50-60Hz
Inlet connection	3LNPE
Inlet cable and plug	3.0m cable, connector CEE16/5 6h
Inlet cable entry	Front side
Residual current monitoring (RCM)	Type B, AC&DC, $\pm 100\text{mA}$ on inlet

Output specification

Rated output voltage	100-240V~
Maximum current per outlet	10A (C13) / 16A (C19)
Outlets	18 x C13 IEC60320 6 x C19 IEC60320 (3 modules with 6xC13 and 2xC19)
Cable locking	Yes, all outlets are compatible with TwyLock® power cords
Number of branches	3
Overload protection	None

Physical specification

Material Classification	LSZH (low smoke, zero halogen) cables and wires
Color	Red powder coated
Product dimensions (W x D x H)	49.8mm x 59.8mm x 1016mm
Product weight	appr. 4.0kg
Shipping dimensions (W x D x H)	194mm x 110mm x 2200mm
Shipping weight	appr. 4.9kg
Mounting	Tool-less rack mounting, 2 mounting buttons included Optional top and bottom mounting brackets

Environmental parameters

Operating temperature	0 - 60°C
Operating relative humidity	10 - 90% RH non-condensing
Operating elevation	0 - 3000m

Product compliance

Certifications/approvals	CE, compliant to IEC 62368-1:2018, EN IEC 61000-6-2:2016 ETSI EN 301 489-1:2019, EN 55032:2015, CISPR 32:2015 EN IEC 61000-6-3:2020, RoHS (2011/65/EU and 2015/863/EU)
Warranty	2 years manufacturer warranty

Disclaimer

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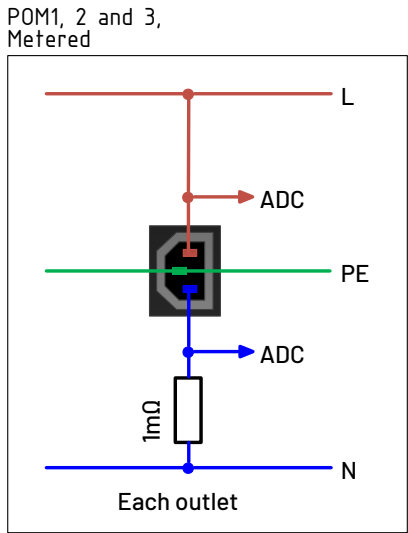
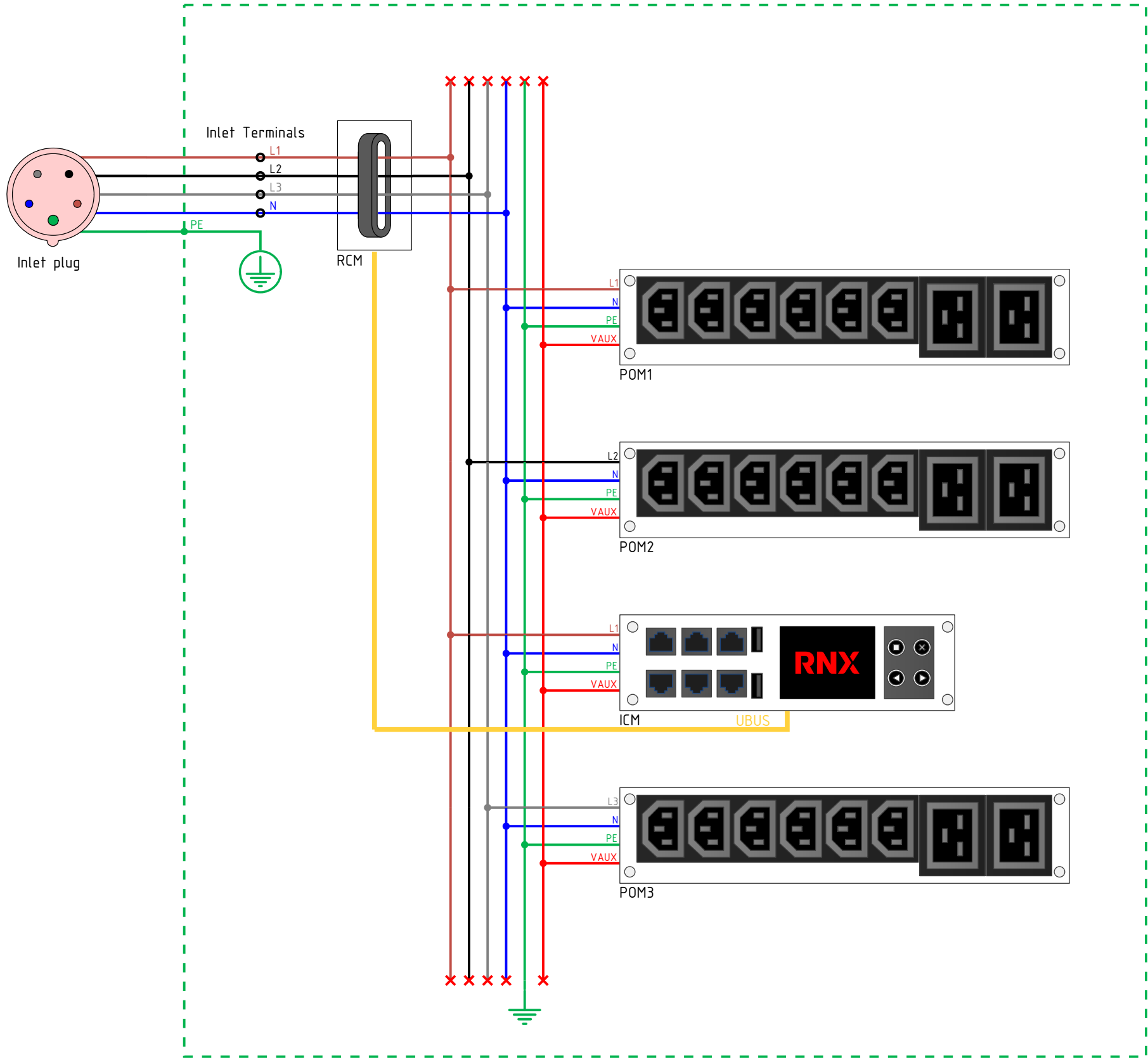
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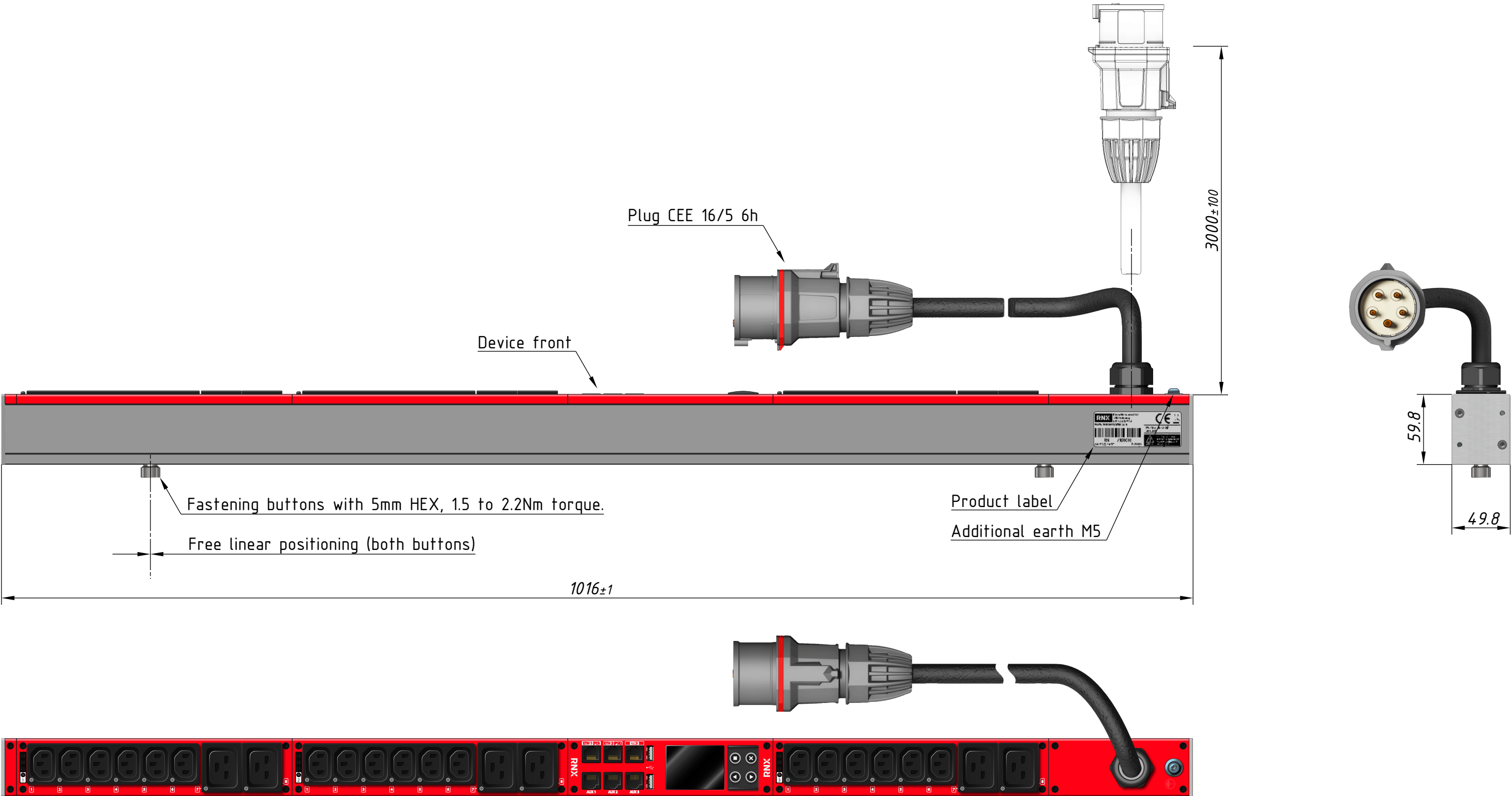
RNX Riedo Networks Ltd, Fribourg, Switzerland www.rnx.ch +41 26 505 50 00	Harness Electrical Wiring Diagram	
	Internal Reference: 100-1020	Date: 2025-08-11
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RNX

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Product Drawing

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Scale: 0.3

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