

PRODUCT INFORMATION

RUSIC® LPS 230 Compact

DECENTRALISED POWER SUPPLY SYSTEM



- Smart low power system with 4/8 circuits - up to 1,200 W and a max. of 20 luminaires per circuit
- Compact system for the use of decentralised power supply systems within one fire compartment according to relevant European and national standards (Germany)
- Reduction of cost-intensive E30 wiring systems and their installation for the supply of escape sign and safety luminaires within one fire compartment
- Operating convenience of a modern central battery system, single luminaire and / or circuit monitoring without additional wiring, freely programmable circuits and luminaires, remote maintenance and visualisation, light switch tester, potential-free inputs and outputs, network interface and mains monitoring as standard.
- External operating console
- KNX Modbus, Dali
- Remote maintenance via Teamviewer

Subject to technical changes. Images are for illustrative purposes only.

HIGHLIGHTS

- low power system according to DIN EN 50171 for safety lighting systems according to DIN EN 50172 and systems according to DIN VDE 0100-718
- automatic monitoring system according to DIN EN 62034 for testing the system with all connected luminaires at regular intervals
- independent system with combined switching for non-maintained, maintained and switchable maintained mode
- test records are stored for a period > 5 years by an integrated electronic test book
- selection of different user languages, e. g. German, English, Italian
- management and error indication for up to 20 luminaires per final circuit
- 4/8 final circuits in mixed mode operation and / or realisable as maintained or non-maintained circuit
- connected load is dependent on selected battery
- status information about the system, circuits and luminaires via touch panel in plain text
- connectivity for external phase monitors and gate input modules via RS 485 interface and bus
- Jedem Stromkreis oder jeder Leuchte können alle Schalteingänge frei zugeordnet werden
- networking of several systems via Ethernet (TCP/IP) as option
- integrated Web server for remote maintenance of the system
- internal IO module as standard: 8 inputs potential-free, NC/NO selectable, 8 relay outputs, 230 V / 6 A, potential-free change-over contacts
- optional remote signalling and switch board (RMTBe_4), LED display for DIN messages: system ready, system error, battery operation / mains operation, acoustic signal system error (acknowledgeable)
- luminaire module (RÜB08) luminaire detection module, address adjustable 1 - 20, additional gate input 230 V AC

If the LPS RUSIC 230 system supplies only the fire compartment in which it is installed, the requirement for a separate electrical operating room is fulfilled if the mechanical protection, the protection against unauthorised/non-instructed persons and the accessibility are ensured.

TECHNICAL DETAILS

Installation Type	wall mounting	
Housing	sheet steel housing RAL 7035	
Dimensions (H x W x D)	1000 x 600 x 250 mm	
Weight	45 kg without battery	
Type of Protection	IP54	
Protection Class	1	
Mains Connections	either 230 V - 50 Hz or 3 x 400 V- 50 Hz incl. monitoring	
Battery	216 V (18 x 12 V / 7 Ah 45 kg or 18 x 12 V / 9 Ah 55 kg)	
Battery Current and Capacity	Battery 12 V / 7 Ah	Battery 12 V / 9 Ah
	1h 4,0 A ~ 900 W	5,5 A ~ 1200 W
	3h 1,6 A ~ 350 W	2 A ~ 430 W
	8h 0,8 A ~ 180 W	1,1 A ~ 230 W
For evaluation of the battery capacity, an ageing correction factor of 25 % and the power loss of the electronic ballast / LED drivers have to be considered.		