



DC UPS battery management system ECO
250 W

Identification	Type Part-No.	L-COPS-B1-BME-250-24 723001
Use/Area of application		
		Battery test/monitoring is cyclic I-U ₀ -U charge with car charge level temperature compensated charging voltage deep discharge protection (residual discharge current <300 uA) electronic battery short-circuit protection control by state-of-the-art digital technology signalling via LEDs, relays fault diagnosis (battery temperature, aging, cable break, etc.) Option: fast charge by means of power supply bypass
General		
Supported load circuit voltage power supply operation	DC 22 V – DC 30 V	
Supported load circuit voltage battery operation	DC 18 V – DC 27 V	
Deep discharge protection early warning	DC 21.6 V type	
Deep discharge protection deactivation	Threshold DC 18 V type	
Overload protection mains operation	External (current limit by means of DC power supply)	
Overload protection buffer operation	locking electronic deactivation at I _{out} > I _{nom} × 1.75	
Reverse battery protection	Electronic isolation switch	

14.08.2014 – Subject to technical modification

Part-No. 723001

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SYSTEMATIC TECHNOLOGY

Technical data sheet • DC UPS battery management system ECO

Battery charge	Temperature is controlled (external sensor included) emergency operation if temperature sensor is not connected	
Battery charging current	max. DC 1.5 A option: fast charging by means of power supply bypass	
Buffer time limit	adjustable by potentiometer from 10 s to 600 s or infinite (deep discharge point)	
External battery	see accessories	
Battery types	all standard types of lead acid batteries	
Signalling		
Signalling	LED green	Mains operation / battery operation
	LED yellow	Charging
	LED red	Device or battery fault
	Relay 1	DC 30 V, DC 1 A, 1 NO contact, mains operation monitoring
	Relay 2	DC 30 V, DC 1 A, 1 NO contact, warning threshold monitoring
	Relay 3	DC 30 V, DC 1 A, 1 NO contact, composite error monitoring
Operation temperature range	-25 °C – 70 °C	
Cooling	Air convection	
Storage temperature range	-40 °C – 85 °C	
Humidity	100 %, condensation allowed (coated circuit boards)	
Own consumption	Buffer mode: 60 mA type	
Battery residual discharge current	<300 µA (deep discharge protection, battery disconnected from load)	
Electrical safety	EN 60950, SELV, protection class III	
Emitted interference	EN 55011 class B	
Interference immunity	EN 61000-6-2	
Protection class	IP 20	
Installation position	Horizontal on all mounting rails acc. EN 60715	
Connection cross-sections		
Connection cross-sections	Mains supply	Faston flat terminal plugs 6.3 × 0.8 mm
	Load, battery	Faston flat terminal plugs 6.3 × 0.8 mm
	Signal	Plug-in screw terminals 10-pin, 0.5 – 2.5 mm ² , flexible, rigid, RM 3.81
Dimensions (w × h × d) in mm	39.0 × 139.0 × 130.0	
Weight (kg/piece)	0.500	

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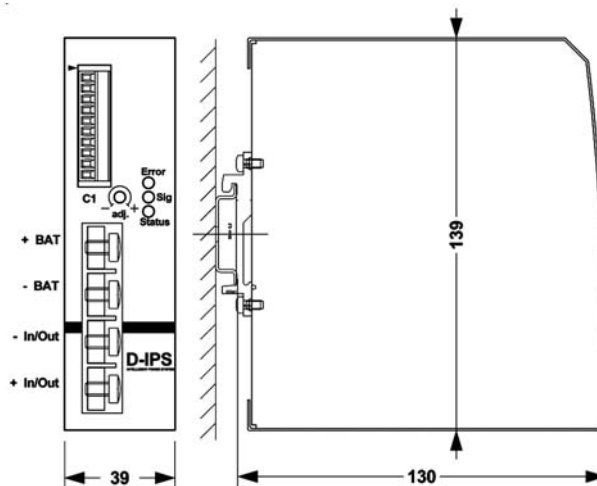
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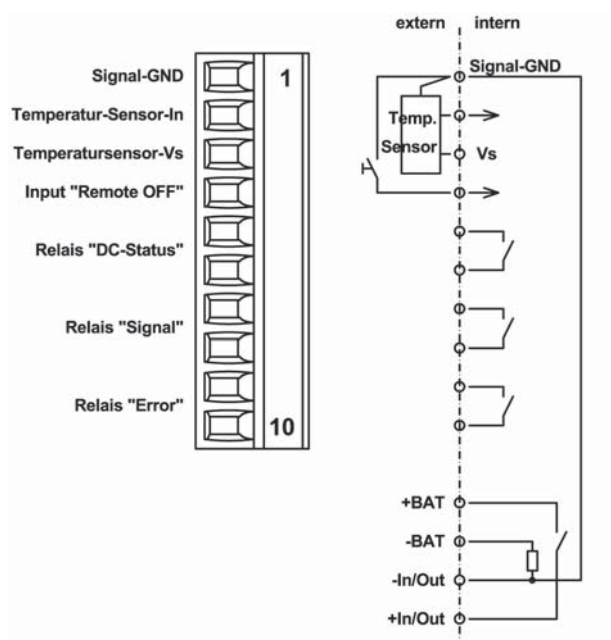


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Dimensions



Signal connection



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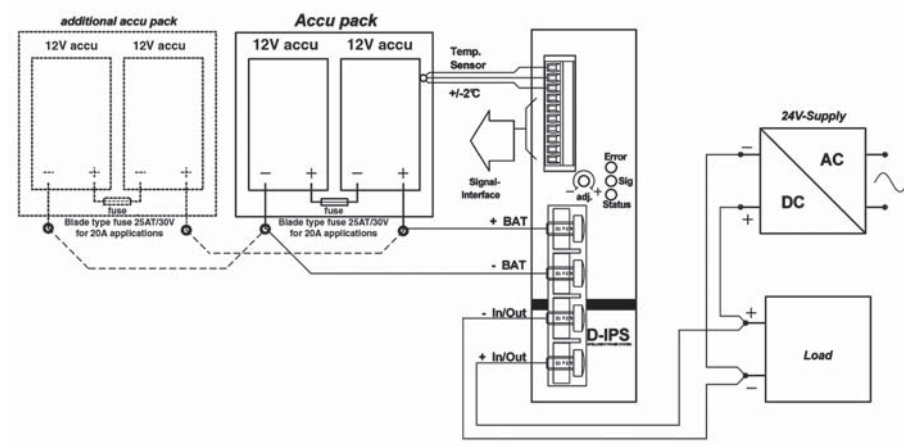
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SYSTEMATIC TECHNOLOGY

PIN assignment



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