



Identification	Type	LCOS-CCI-1K-1P-DC24V
	Part-No.	773100.1111
Description	Electronic load monitoring up to DC 10 A 1-channel version, single pole switching, DC 1 A – DC 10 A, characteristic can be set Collective fault message: single/90% message, Remote Control input	
Input	Type of function 1-channel 1 pin switching Technology Powerbus and terminal strip Rated voltage U_N DC 24 V Operation voltage range DC 20.4–28.8 V Input voltage range – 30 V Supply current DC 32 A via LCOS Powerbus Reverse voltage protection internal electronics Participants 64 units Bus length Max. 25 m Transfer rate 1 MBaud	
Control input (Set / Reset)	Signal level DC 24 V acc. to EN 61131 OFF Pulse with falling edge >100 ms, <800 ms	

25.08.2017 – Subject to technical modification

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SYSTEMATIC TECHNOLOGY

Technical data sheet - Load monitoring

ON	Pulse with falling edge > 1 s
Connection type control side	X2: 12-pin multi-point plug, RM 3.5
Isolation voltage	AC 1.5 kV, 1 min.

Output

Switching element	MosFet
Output current	max. DC 10 A
Voltage drop	<170 mV (10 A)
Status display output	Output 1: LED green: no error, LED green flashing: 90 % utilisation Output 2: LED red flashing: triggered, LED red: unit off
Switch-on capacity	>10000 µF
Current range	1 A – 10 A (adjustable via switch in 1 A steps)
Characteristic	fast (1), medium (2), slow 1 (3), slow 2 (4), slow 3 (5), adjustable via switch

Signal output

Signal level	Overload, short circuit, switched off: Low, rated operation: High I ≥ 90 % I _N , Low I ≤ 90 % I _N
Switching element	2 x transistor, open collector with pull-up resistor
centralised fault signalling	Diagnostic output 1 + 2 connected via diodes

Communication internal

Communication	internal data bus
BUS physics	CANopen acc. to ISO 11898-1, 11898-2
Participants	64 units
BUS topology	Line
Transfer rate	1 MBaud
Bus length	Max. 25 m
Galvanic isolation	500 V

General

Operation temperature range	-25 °C ... +55 °C
Storage temperature range	-40 °C ... +70 °C
Dimensions (w × h × d)	22.5 × 110.0 × 102.0 mm (including function carrier, without plug-in terminals on the side)
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Colour of the housing	RAL 7012 basalt grey
Mounting	plug-in on LCOS function carrier 22.5 mm (Accessories) DIN rail mounting (EN 60715)
MTBF	690000 h @ 40 °C, 100 operations button, 30 revolutions coding switch

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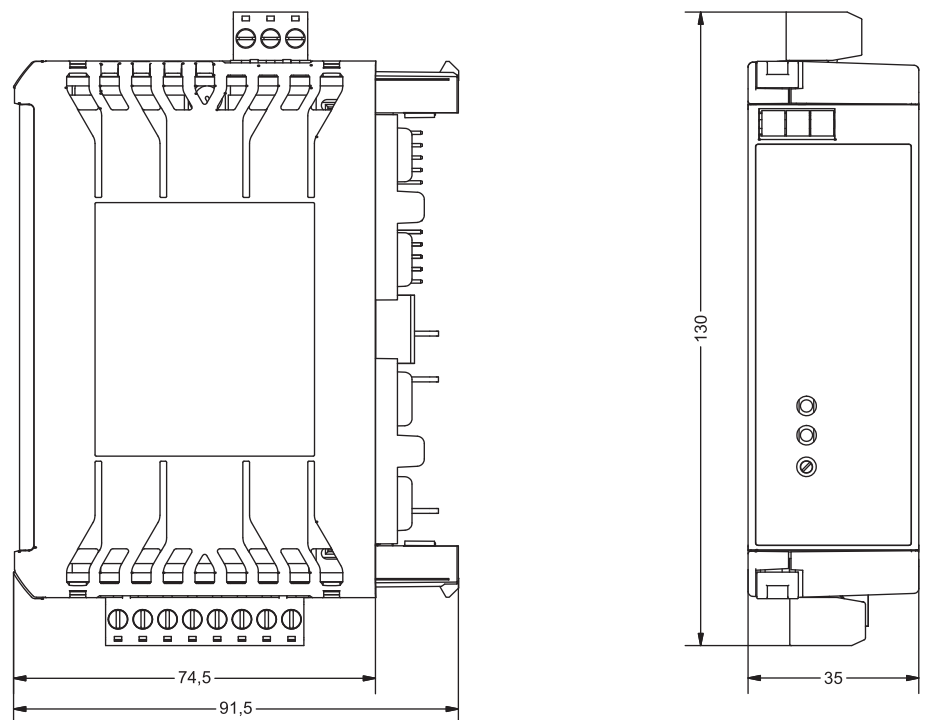


SYSTEMATIC TECHNOLOGY

Technical data sheet · Load monitoring

Protection class	IP20
Installation position	vertical
Connection type load side	X1: 8-pin multi-point plug, RM 5.08
Connection type control side	X2: 12-pin multi-point plug, RM 3.5
Weight	0.200 kg/piece
Approvals	cULus GL
Standards	EN 60950-1 EN 61131-1, 2 EN 61000 EN 60947-4-1 EN 55022
PU	1 piece

Dimensions



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