



Identification	Type Part-No.	LOCC-Box-C2 7-6413 716413
Description	Electronic load monitoring up to DC 24 A - DC 4 A Single channel version, adjustable current range, adjustable characteristic with current limitation acc. to NEC class 2	
Input	Type of function 1-channel 1 pin switching Rated voltage U_N DC 12/24 V Operation voltage range DC 11–30 V Rated current I_N DC 5 A Supply current DC 40 A over Cu-rails 10 × 3 mm Reverse voltage protection internal electronics Connection type input screwless contact slide	
Control input (Set / Reset)	Signal level DC 12/24 V acc. to EN 61131 OFF Pulse with falling edge >100 ms, <800 ms ON Pulse with falling edge > 1 s	
Output		

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Part-No. 716413

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Technical data sheet • Load monitoring

Switching element	MosFet
Output current	max. DC 5 A
Power output	limited to <100 W
Status display output	LED green: operating voltage present, no error LED red: error in load circuit
Switch-on capacity	4700 µF
Current range	0.5 A – 4 A (can be set via switch in 0.5 A steps)
Characteristic	fast (1), medium (2), slow 1 (3) see 'Characteristic curves'
Current limitation	<5 A

Signal output

Signal level	DC 12/24 V: operating voltage on standby, no error, DC 0 V: error, output switched off and manual "OFF"
Switching element	Transistor, collector with pull-up resistance

General

Operation temperature range	-25 °C ... +50 °C
Storage temperature range	-40 °C ... +75 °C
Dimensions (w × h × d)	8.1 × 114.5 × 116.0 mm
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection device	Spring terminal 0.25 mm ² – 2.5 mm ²
Weight	0.120 kg/piece
Approvals	cULus (E135145) GL in preparation NEC Class 2 (E490188) UL 61010-1 UL 61010-2-201 (E170585)
Standards	EN 60950-1 EN 61131-1, 2 EN 61000 EN 60947-4-1 EN 55022
PU	1 piece

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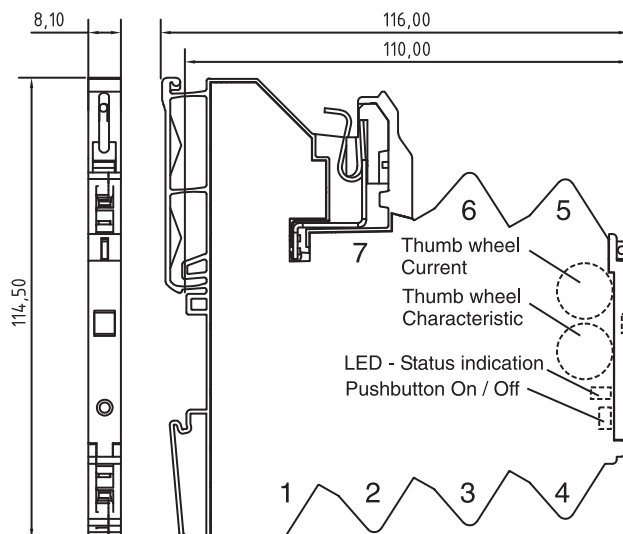
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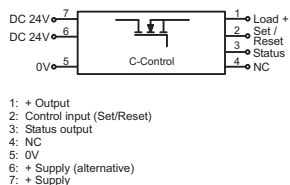


SYSTEMATIC TECHNOLOGY

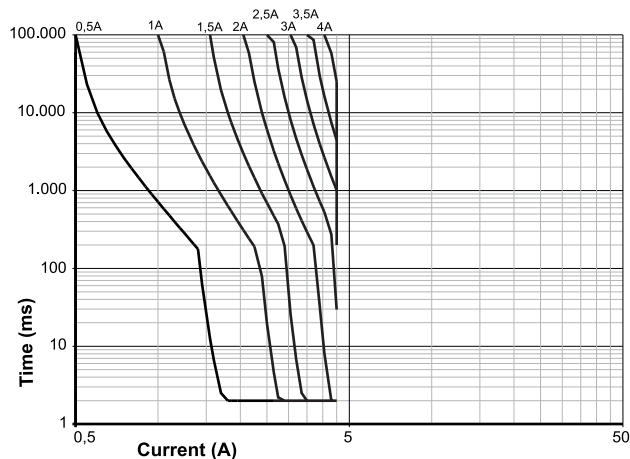
Dimensions



PIN assignment



1: Characteristic fast



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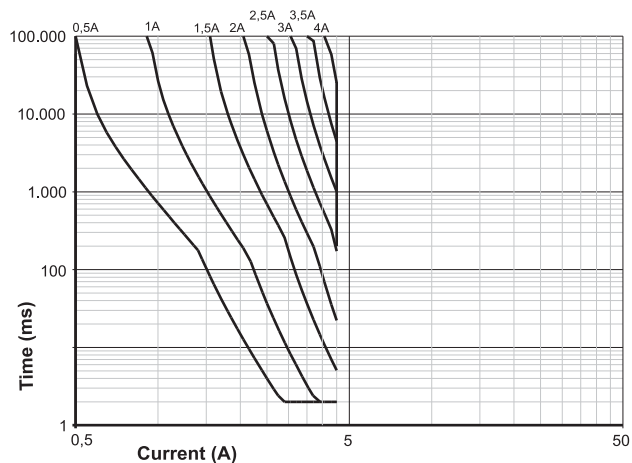
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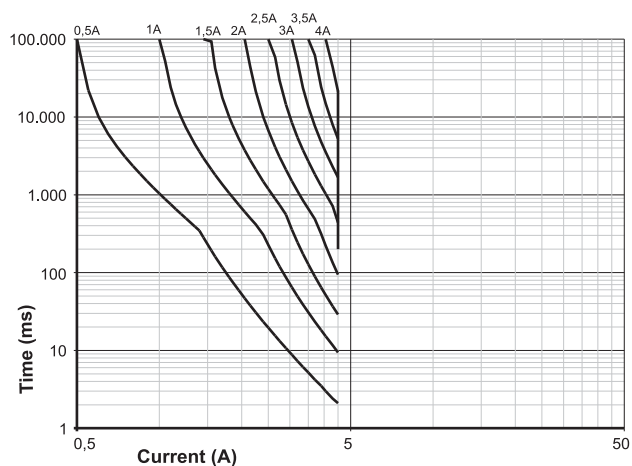


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2: Characteristic medium



3: Characteristic slow-1



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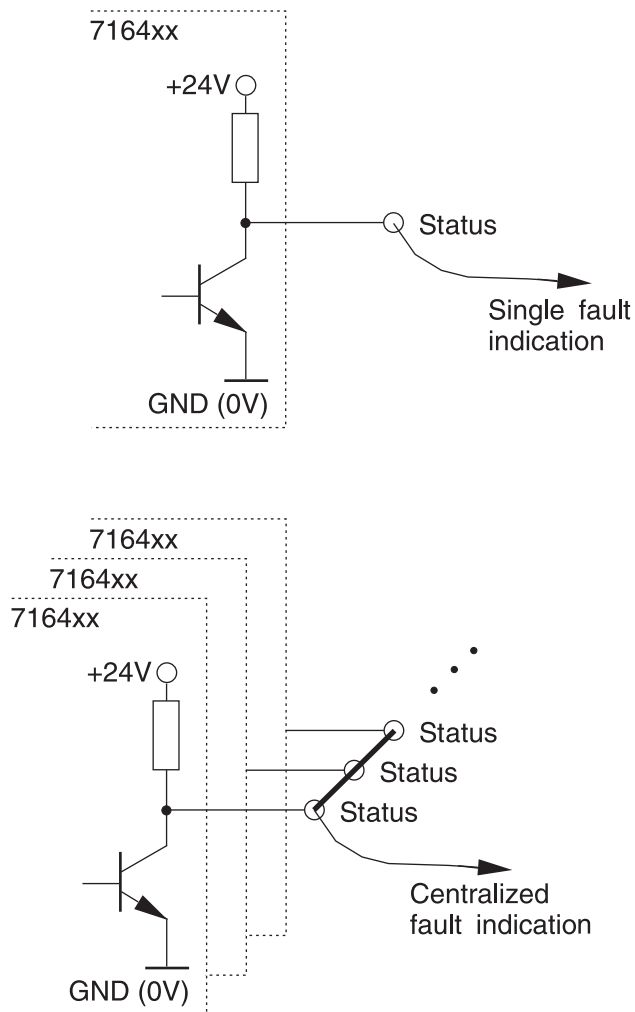
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Signal output



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