

# Load monitoring · LOCC-Box-EC

Electronic load monitoring up to DC 10 A

Single channel version, fixed current range: DC 1 A - 10 A (see order code)

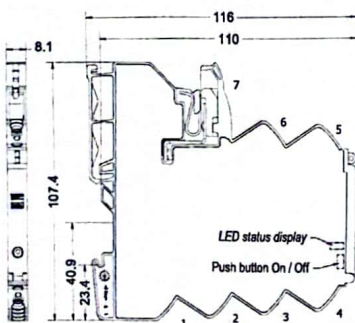
Fixed characteristic: fast, medium, slow 1, -2, -3 (see order code)



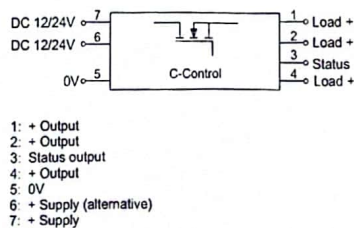
<b>Input</b> Rated voltage $U_N$ Operation voltage range Rated current $I_N$ Supply current Reverse voltage protection Connection type input	DC 12/24 V DC 10–30 V DC 10 A DC 40 A over Cu-rails 10 × 3 mm internal electronics screwless contact slide	Switching element  <b>General</b> Operation temperature range Storage temperature range Dimensions (w × h × d) Housing material Mounting	Transistor, collector with pull-up resistance  -25 °C ... +50 °C -40 °C ... +85 °C 8,1 mm × 107,4 mm × 116,0 mm PA 6.6 (UL 94 V-0, NFF I2, F2) DIN rail mountable TS35 (EN 60715)
<b>Output</b> Switching element Output current Voltage drop Status display output	MOSFET max. DC 10 A max. 215 mV (10 A) LED green: operating voltage present, no error LED red: error in load circuit 10000 µF 1 A – 10 A (see order code) fast (1), medium (2), slow 1 (3), slow 2 (4), slow 3 (5) (see order code), see 'Characteristic curves'	Installation position MTBF Degree of protection  Vibration resistance Connection type	Any 690000 h IP20 (only as complete system with power terminal and end block) 4 g acc. to EN 60068-2-6 Push-In 0,25 mm <sup>2</sup> – 2,5 mm <sup>2</sup> AWG 24 – AWG 14 10 % – 95 %, without condensation 15 g acc. EN 60068-2-27 cULus (E135145) URus (E490188)
Switch-on capacity Current range Characteristic	DC 12/24 V: operating voltage on standby, no error, DC 0 V: error, output switched off and manual „OFF“	Standards	EN 61000-2 EN 61000-3 UL 60947-5-1 UL 2367

Part No.	Type	Weight/unit kg	PU (units)
716407.xxxx	LOCC-Box-EC-I-C	0.07	1

## Dimensions



## PIN assignment



## Order code

716407. 2 3 50	
Type	PU
	00 1 pc.
	50 50 pcs.
Current range	Characteristic
1 1A	1 fast
2 2A	2 medium
3 3A	3 slow-1
:	4 slow-2
0 10A	5 slow-3