

Technical data sheet - Microcompact LOCC Box

Load monitoring



Identification	Type	LOCC Box FB 7-6401
	Part-No.	716401
Input		
Nominal voltage	DC 12 / 24 V	
Operation voltage range	DC 10 V – 32 V	
Rated current	DC 10 A	
Supply current	DC 40 A over Cu-rails 10 x 3 mm	
Reverse voltage protection	internal electronics	
Termination	screwless disconnect slide	
Control input (Set / Reset)		
Signal level	DC 12 / 24 V (EN 61131)	
Fall time	Pulse with falling edge >100 ms, <800 ms	
Rise time	Pulse with falling edge > 1 s	
Connection	Spring terminal 0.25–2.5 mm ²	
Load Side		
Switching element	MosFet	
Output current	max. DC 10 A	
Voltage drop	<170 mV (10 A)	
Status Indication	LED green: Operating voltage present, no error LED red: Error in load circuit	
Switch-on capacity	10000 µF	

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Part-No. 716401

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Current range	1 A – 10 A (adjustable via switch in 1 A steps)
Characteristic	fast-acting, medium-slow, slow 1 (3), slow 2 (4), slow 3 (5)

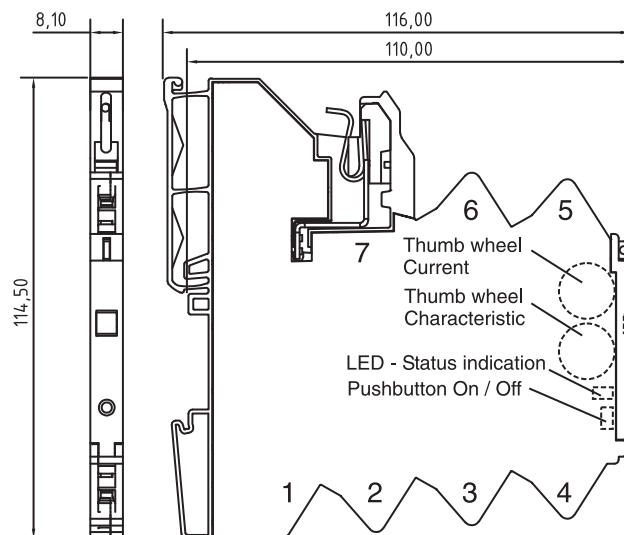
Signal output

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

General

Housing material	PA 6.6 (UL 94-V0; NFF I2, F2)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Spring terminal 0.25–2.5 mm ²
Operation temperature range	-25 °C – 50 °C
Storage temperature range	-40 °C – 85 °C
Dimensions (w x h x d)	8.1x114.5x116.0 mm
Weight (kg/piece)	0.120
Approvals	cURus
Standards	EN 60950-1; EN 61131-1,2; EN 61000; EN 60947-4-1; EN 55022

Dimensions



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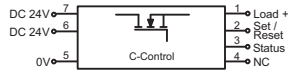
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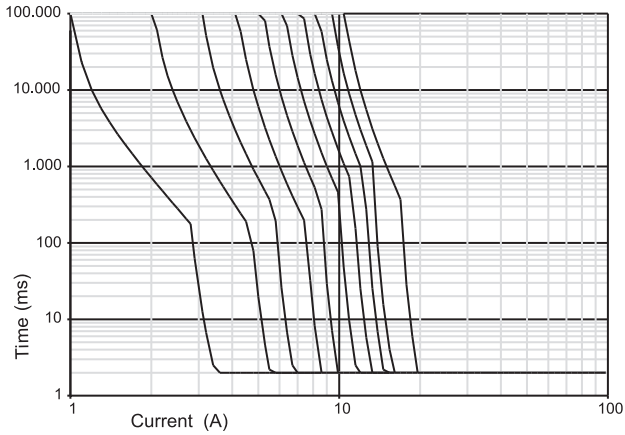
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PIN assignment

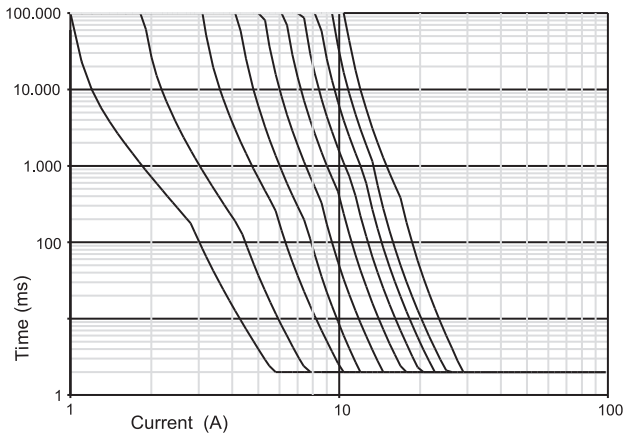


- 1: + Output
- 2: Control input (Set/Reset)
- 3: Status output
- 4: NC
- 5: 0V
- 6: + Supply (alternative)
- 7: + Supply

Switch position: Characteristic fast



Switch position: Characteristic medium



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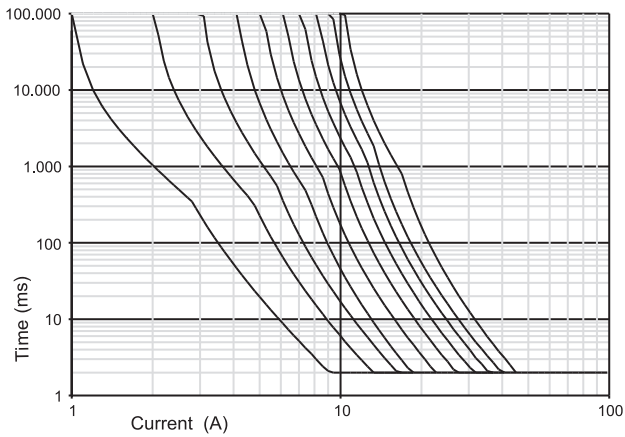
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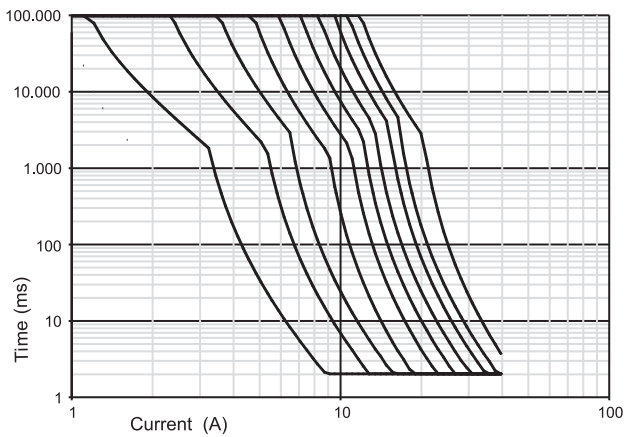
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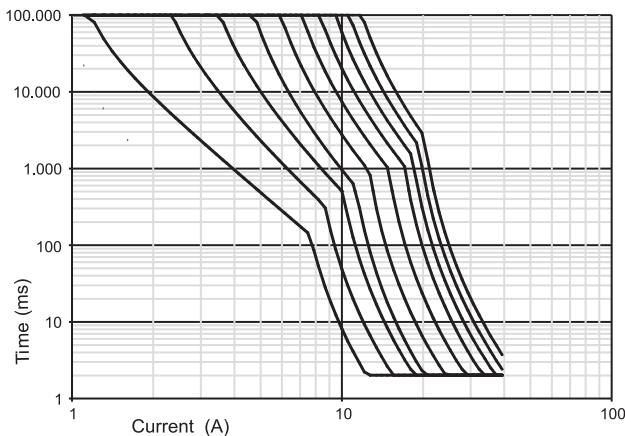
Switch position: Characteristic slow-1



Switch position: Characteristic slow-2



Switch position: Characteristic slow-3



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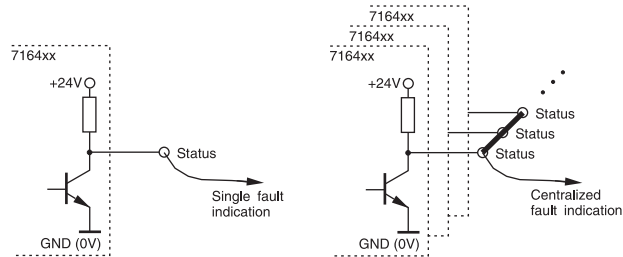
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Signal output



Accessories

Accessories	Colour	Article number	Description	PU
Feed in set (feed in terminal and end terminal), 10 mm ²		716425	LOCC Box ES 7-6425	1
Copper bus bar 1m		716426	LOCC Box CU 7-6426	1
Cu rail covering 1 m		716427	LOCC Box AD 7-6427	1
Jumper comb 8 pole, 6A	white	716428	LOCC Box BKW 7-6428	5
Jumper comb 8 pole, 6A	red	716429	LOCC Box BKR 7-6429	5
Jumper comb 8 pole, 6A	blue	716430	LOCC Box BKB 7-6430	5
Jumper comb 16-pole, 6 A	white	716438	LOCC Box BKW 7-6438	5
Jumper comb 16-pole, 6 A	red	716439	LOCC Box BKR 7-6439	5
Jumper comb 16-pole, 6 A	blue	716440	LOCC Box BKB 7-6440	5
Marker holder (200 pcs.)	white	716431	LOCC Box BZW 7-6431	1
Marker holder (200 pcs.)	red	716432	LOCC Box BZR 7-6432	1
Marker holder (200 pcs.)	blue	716433	LOCC Box BZB 7-6433	1
Marker holder (200 pcs.)	yellow	716434	LOCC Box BZG 7-6434	1

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