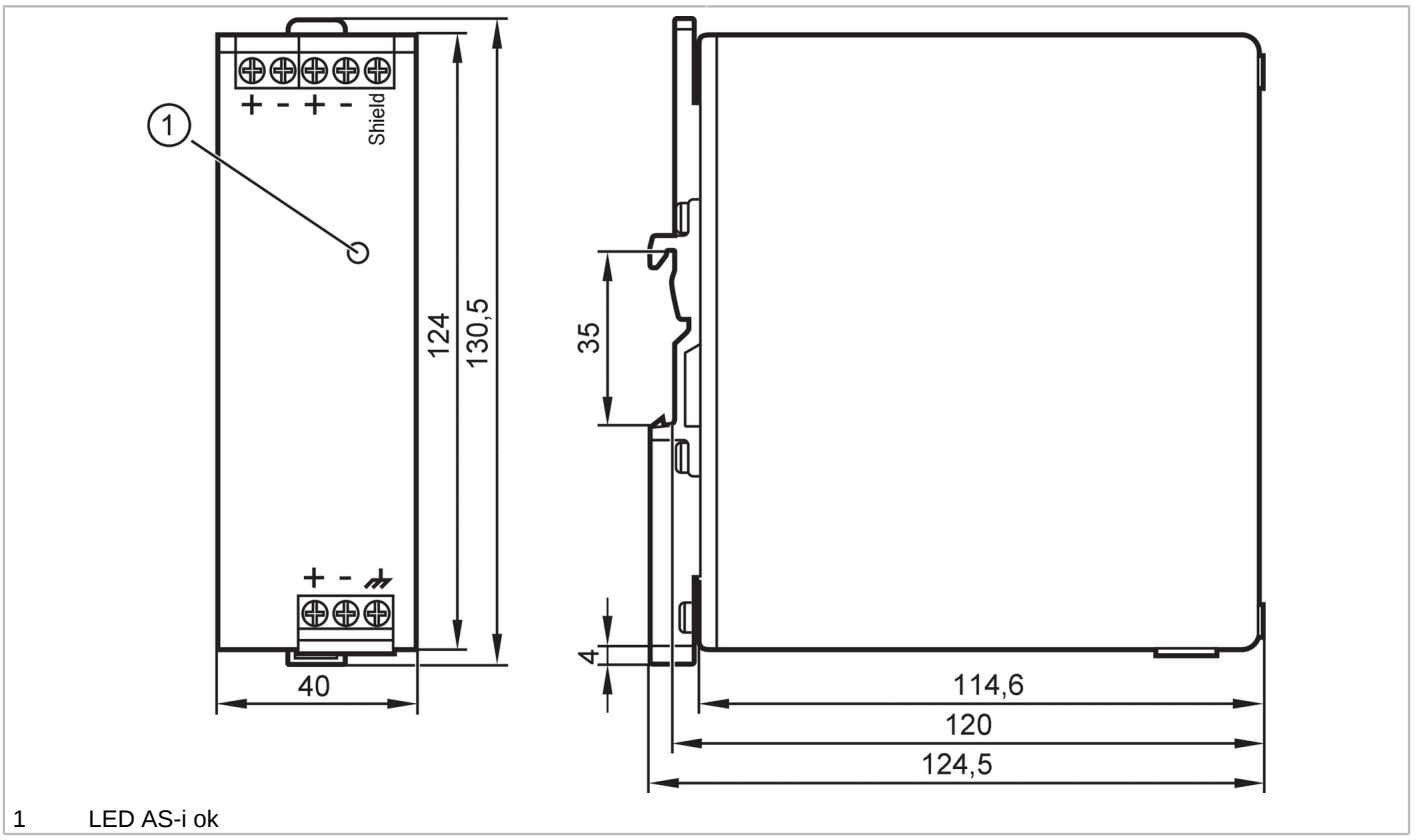
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AS-Interface power supply

PSU-24VDC/ASi-4A



1 LED AS-i ok

Application		
Design		housing for DIN rail mounting
Electrical data		
Operating voltage tolerance	[%]	25...35
Nominal voltage DC	[V]	24
Input voltage DC	[V]	24
Protection class		III
Overvoltage protection		yes; (< 36 V)
Max. power-on delay time	[ms]	650
Output voltage AS-i	[V]	30.5
Output power (permanent)	[W]	122
Output power (peak)	[W]	134
Note on output power (peak)	[W]	briefly to load bus capacities after power on
Power reserve	[%]	10
Number of output circuits		1
Output current AS-i	[A]	4
Max. residual ripple	[mV]	50
Switch-on peak current (nominal voltage 24 V DC)	[A]	2
Inrush current limitation		yes
Efficiency (nominal voltage 24 V DC)	[%]	90.5

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AS-Interface power supply

PSU-24VDC/ASi-4A

External input protection		≤ B-10 A / ≤ C-8 A	
Derating	[W/K]	3 (60...70 °C)	
Mains buffering time (nominal voltage 24 V DC)	[ms]	6	
Input current (nominal voltage 24 V DC)	[A]	5.5	
Power loss (nominal voltage 24 V DC)	[W]	12.7	
Integrated data decoupling		yes	
Back feeding protection	[V]	35	
Outputs			
Short-circuit proof		yes	
Overload protection		yes	
Overload performance		output current constant	
Parallel connection of outputs possible		no	
Series connection of outputs possible		no	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Note on ambient temperature		observe the free space for convection (see operating instructions)	
Storage temperature	[°C]	-40...85	
Max. relative air humidity	[%]	95; (IEC 60068-2-30)	
Protection		IP 20	
Pollution degree		2; (IEC 62103: conductive soiling not permitted)	
Tests / approvals			
EMC		EN 61000-6-1	
		EN 61000-6-2	
		EN 61000-6-3	
		EN 61000-6-4	
Vibration resistance		IEC 60068-2-6	± 1,6 mm 2...17,8 Hz / 2 g 17,8...500 Hz
Shock resistance		IEC 60068-2-27	30 g 6 ms / 20 g 11 ms
AS-i classification			
AS-i certificate		98801	
Mechanical data			
Weight	[g]	621	
Housing		rectangular	
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))	
Dimensions	[mm]	130.5 x 40 x 124.5	
Materials		steel sheet	
Displays / operating elements			
Display		AS-i voltage	LED, green
Remarks			
Pack quantity		1 pcs.	

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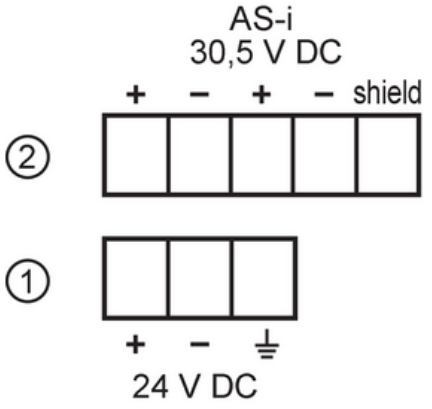
AS-Interface power supply

PSU-24VDC/ASi-4A

Electrical connection

screw terminals:

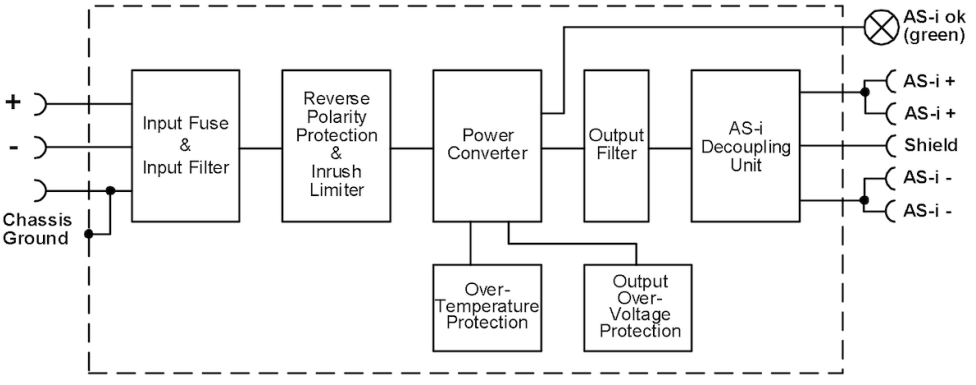
Connection



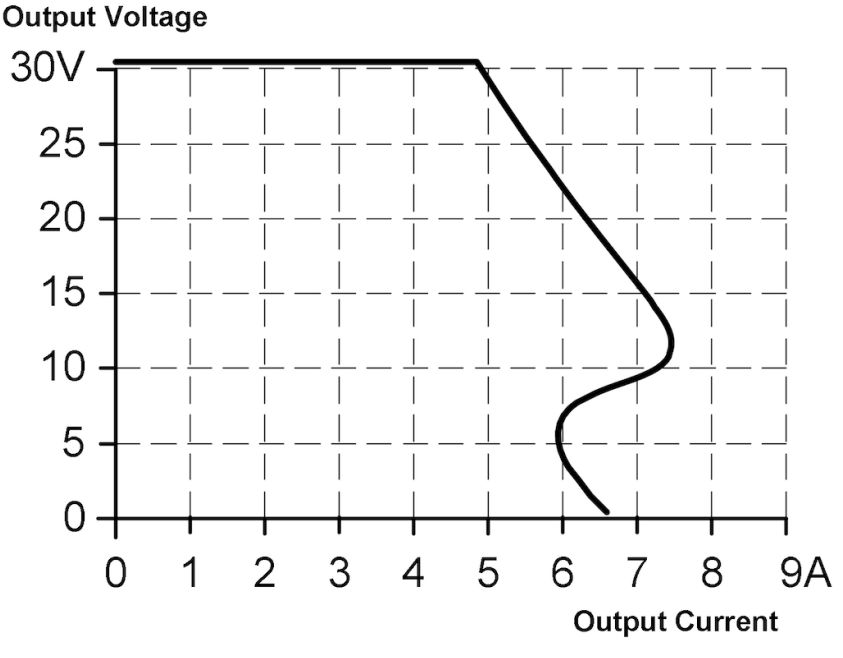
1: primary
2: secondary

Diagrams and graphs

block diagram



output characteristics

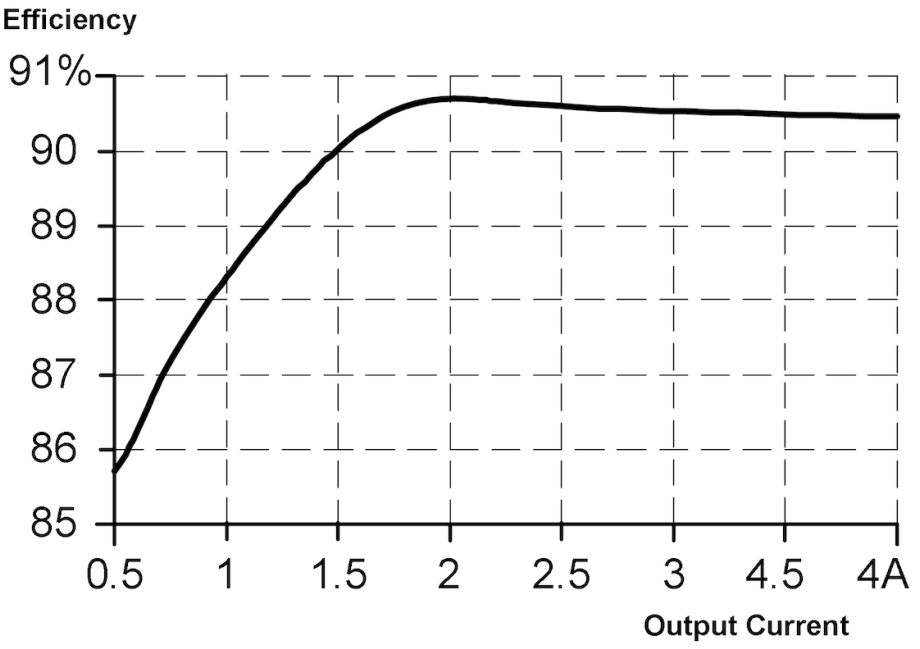


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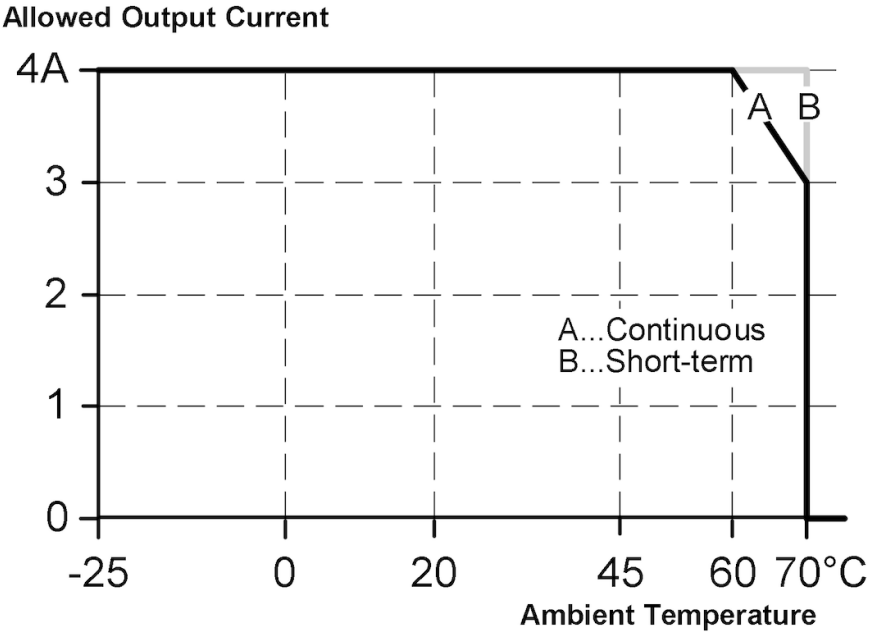
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PSU-24VDC/ASi-4A

characteristic curve for degree of efficiency / power loss



characteristic line for derating



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AS-Interface power supply

PSU-24VDC/ASi-4A

characteristic line for mains buffering time

