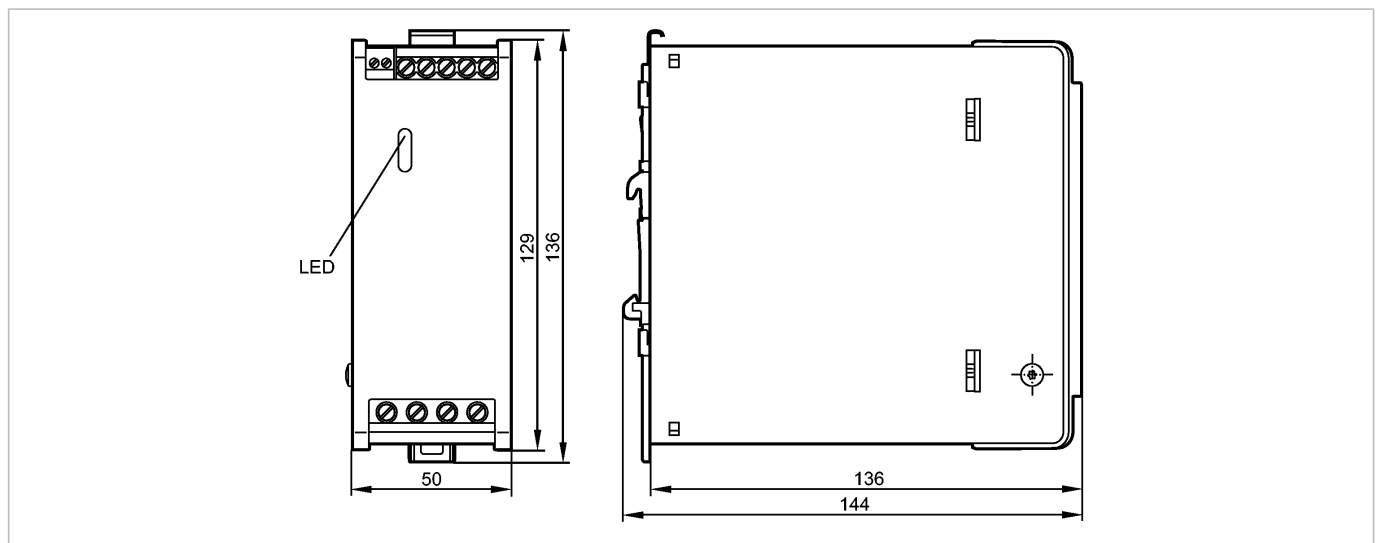


AC1236

PSU-1AC/ASI-2.8A

Bus system AS-Interface


Product characteristics

Power supply

AS-i power supply 100...240 V AC

Integrated data decoupling

Application

Application AS-i system voltage for masters, sensors, actuators and modules

Electrical data

Input voltage range	[V]	100...240 AC ($\pm 10\%$)
Nominal frequency	[Hz]	47...63
Output voltage (AS-i)	[V]	29.5...31.6 DC
Output current (AS-i)	[A]	2.8
Residual ripple	[mV]	< 50
Efficiency	[%]	88 (230 V AC / 24 V DC)
Short-circuit proof		yes
Overload protection		yes
Overvoltage protection	[V]	< 34
Fuse	[A]	10; external, characteristics B
Power-on delay time	[ms]	≤ 150
Derating	[W/K]	3% / K ($> +60^\circ\text{C}$)
Mains buffering time	[ms]	330 (230 V AC)
Protection class		I

Environment

Ambient temperature	[°C]	0...70
Protection		IP 20

Tests / approvals

EMC		EN 61000-6-2 EN 61000-6-3
MTTF	[Years]	173

AS-i classification

AS-i certificate		89502
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Mechanical data

AC1236

PSU-1AC/ASI-2.8A

Bus system AS-Interface

Housing materials	AlMg3; steel sheet galvanised; polycarbonate
Installation	rail TH35 (to EN 60715)
Weight [kg]	1.005

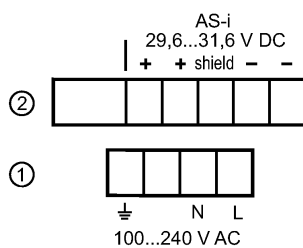
Displays / operating elements

Function display	LED	green (indication AS-i voltage)
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Electrical connection

Connection	screw terminals
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Wiring



1: primary
2: secondary

Remarks

Remarks	Observe the free space for convection (20 mm)
Pack quantity [piece]	1

Other data

Fuse	10 A, external, characteristic B
Overvoltage protection (OVP) [V]	≤ 34
Residual ripple [mV]	≤ 50