

AC1335

AS-i DP Gateway

IFM Electronic AC1335 SmartLink DP is a single-master AS-i to PROFIBUS-DP gateway configured through a GSD file. Its backlit display, four keys and integrated diagnostics support commissioning and online status checks for up to 62 A/B AS-i slaves.

IDENTITY	VERIFIED VALUE
Manufacturer	IFM Electronic
Complete model	AC1335
Product role	AS-i DP Gateway
System family	SmartLink DP

MANUFACTURER SOURCE RECORDS

- 1. ifm AS-interface Device Manual: AS-i PROFIBUS-DP Gateways, 14 March 2005
- 2. ifm Bus System AS-interface Catalogue 2008/2009, SmartLink DP AC1335 pages 40-41

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Product Overview

System function

IFM Electronic AC1335 SmartLink DP is a single-master AS-i to PROFIBUS-DP gateway configured through a GSD file. Its backlit display, four keys and integrated diagnostics support commissioning and online status checks for up to 62 A/B AS-i slaves.

AS-i master

Controls one documented AS-i network and transfers cyclic data through PROFIBUS-DP.

GSD integration

Uses the manufacturer GSD file for PROFIBUS configuration and device integration.

Local display

Shows configuration, online I/O, status information and diagnostic counters.

Field diagnostics

Supports addressing, error review and Safety at Work diagnostic visibility.

Technical note

Supply AC1335 from the documented AS-i voltage range and retain the specified FE grounding arrangement. Verify the GSD configuration, PROFIBUS-DP address, AS-i slave list and diagnostic counters before release.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	AC1335 SmartLink DP	Safety diagnostics	Safety at Work diagnostic support
Gateway relationship	One AS-i master to PROFIBUS-DP slave	Operating voltage	26.5 to 31.6 VDC via AS-i
AS-i master version	2.1	AS-i current	Less than 200 mA
AS-i slave capacity	Up to 62 A/B slaves	Operating temperature	0 to 60 degrees C
Configuration	PROFIBUS GSD file	Mounting	DIN rail
Display	Backlit 128 x 64 graphic LCD	Terminals	Combicon screw clamps
Local controls	Four function keys and four LEDs	Housing	Aluminium and steel
Diagnostics	Message error counter; I/O and status display	Galvanic separation	Documented interface separation

Engineering boundary

Supply AC1335 from the documented AS-i voltage range and retain the specified FE grounding arrangement. Verify the GSD configuration, PROFIBUS-DP address, AS-i slave list and diagnostic counters before release.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
AS-i cell integration	Connects a single AS-i segment to a PROFIBUS-DP control system.
Distributed I/O gateway	Transfers binary field-device data between AS-i slaves and the DP master.
Commissioning station	Uses the local LCD and keys to inspect participants, I/O and status.
Maintenance diagnostics	Reviews message-error counters and Safety at Work diagnostic states.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is the role of IFM Electronic AC1335?	AC1335 links one AS-i master network to a PROFIBUS-DP master as a DP slave gateway.
How is IFM Electronic AC1335 configured?	The PROFIBUS side is integrated with the manufacturer GSD file; local setup and diagnostics use the display and four keys.
How many AS-i slaves can IFM Electronic AC1335 manage?	The documented AS-i master supports up to 62 A/B slaves.
What supply does IFM Electronic AC1335 require?	It is supplied through AS-i at 26.5 to 31.6 VDC and draws less than 200 mA from AS-i.

FAQ, Related Products and Sources

QUESTION	ANSWER	RELEASE CHECK	REQUIRED RECORD
What does the IFM Electronic AC1335 display support?	The backlit 128 x 64 LCD supports configuration, online I/O, participant status and diagnostics.	Identity	Exact AC1335 marking recorded
Which diagnostics are available on IFM Electronic AC1335?	The gateway provides message-error counting, I/O and status display, participant addressing and Safety at Work diagnostics.	Configuration	Approved project values and current manufacturer document retained
How is IFM Electronic AC1335 mounted and connected?	It mounts on DIN rail and uses documented Combicon screw-clamp connections with the specified FE arrangement.		
What confirms IFM Electronic AC1335 commissioning?	The GSD, DP address, AS-i participant list and diagnostic counters must match the approved record, followed by a controlled data-transfer test.	Diagnostics	Status, counters and controlled data transfer accepted

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