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Lenze · Inverter Drives 8400 motec

AS-Interface (AS-i V3.0) communication unit for the Inverter Drives 8400 motec drive unit, for digital control of the decentralized inverter via an AS-i bus.

Hardware

Protocol: AS-Interface V3.0 (standard EN 50295 / IEC 62026-2)
Ports: 1 × 5-pin M12 A-coded connector (AS-i bus with penetration technology)
Baud rate: 167 kbit/s gross (53 kbit/s net with 32 % data-transfer efficiency)
Medium: 2-wire cable for data and auxiliary power
Node: Slave (single or dual); max. 31 standard slaves or safe slaves; max. 62 A/B slaves
Network topology: Free topology (line, ring, tree, star)
Number of bus nodes: 1 … 31
Max. cable length: 100 m without repeaters/extenders; 300 m with 2 repeaters/extenders; 500 m only for star-shaped mains including repeaters/extenders
Digital inputs: 5; 1 digital output; 4 digital inputs powered via the AS-i bus when no mains supply is present
Functions: acyclical polling of diagnostic data, acyclical reading/writing of parameter sets, cyclical drive control, controller enable

Communication

Built-in ports: 1 × M12 (AS-i)
Protocols: AS-Interface V3.0
Communication expansion: Not applicable (plug-in communication unit for the 8400 motec drive unit)

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Electrical

Supply voltage: Not applicable (option card; powered via the AS-i 2-wire bus, rated DC 24 V)

Environmental

Operating temperature: -30 °C … +55 °C (3K3, EN 60721-3-3)
Storage temperature: -30 °C … +60 °C (1K3, EN 60721-3-1)
Relative humidity: Not published as numerical value (non-condensing; no specific %RH published in official communication module manual)
Protection rating: IP65 (EN 60529); insulation voltage to reference earth/PE 50 V

Physical

Dimensions (H×W×D): Not published as numerical table (plug-in communication unit; official catalogue publishes no separate numerical dimensions)
Weight: Not published by manufacturer (module weight not listed in official catalogue)

Lifecycle

Current: official Lenze 8400 motec catalogue and AS-i communication manual active as of 2026-10; no replacement **(product remains in the current Lenze portfolio; official pages active as of 2026-10) (Last verified:** 2026-10)
Audit status: OFFICIAL_VERIFIED