

WAGO $\equiv$ SPEEDWAY 767

MODULAR IP67 I/O SYSTEM

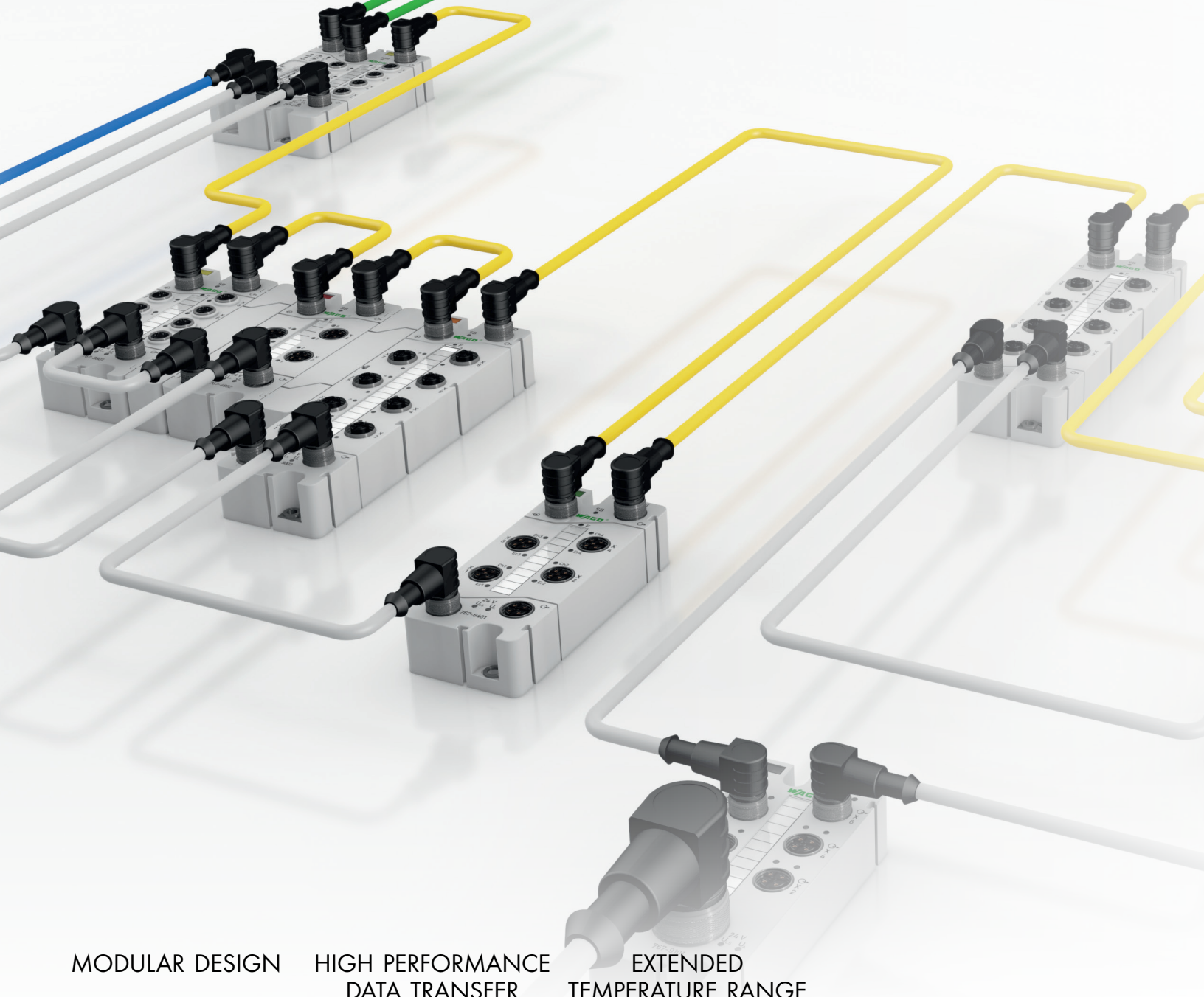
$\equiv$ SPEEDWAY 767



WE
INNOVATE!



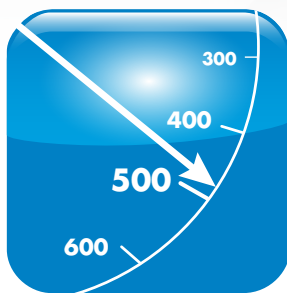
WAGO[®]



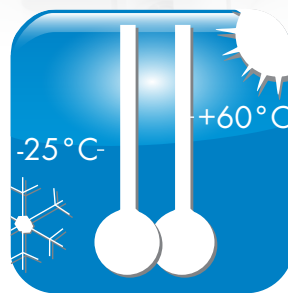
MODULAR DESIGN



HIGH PERFORMANCE
DATA TRANSFER



EXTENDED
TEMPERATURE RANGE



IP67 DISTRIBUTED I/O

≡ SPEEDWAY 767

Reduce system cost and boost performance with WAGO's IP67 cabinet-free distributed I/O system. Fully encapsulated and highly-configurable, SPEEDWAY covers a wide range of signals with one module type. WAGO's robust I/O modules support popular fieldbuses for trouble-free integration of distributed I/O with higher-level controllers. SPEEDWAY offers efficient management of large data volumes for signal acquisition and transmission. A wide temperature range and extensive electromagnetic shielding allows for operation even in the harshest environments.

Effortlessly design, install and commission your automation architecture with WAGO's SPEEDWAY machine mountable I/O modules.



- Multiple Fieldbus Support
- Harsh Environment Capability
- High Speed Bus
- Robust and Modular

General Technical Data

Modular Design

- 64 I/O modules per station
- 520 channels per station
- 165 ft (50 m) between modules
- 1,650 ft (500 m) total expansion

Operating Environment

- IP67 degree of protection
- Fully encapsulated, halogen and silicon free
- -25 °C to +60 °C / -13 °F to 140 °F
- Electromagnetic Shielding
- Immunity to interference EN 61000-6-2
- Emission of interface EN 61000-6-4
- 50g shock per IEC 60068-2-6
- Vibration resistance IEC 60068-2-6

Parametrization of I/O

- I/O parametrization via FDT/DMT - reduce the number of modules required
- Parametrization by channel
- Auto update of replaced I/O module parameters

Module Features

- Asynchronous and synchronous module diagnostics
- LED indication per channel
- M8 and M12 I/O connection options
- -25% to 30% supply voltage range
- Separate field and module power in one cable
- 18 AWG power cable to reduce voltage drop
- Corrosion protected components

Approvals

- cULus 508
- CE Conformity Marking

Accessories

- Pre-molded cables for power, fieldbus, S-Bus and I/O
- Field installed connectors
- DIN and CNOMO mounting brackets
- Block off plates

CANopen

PROFI[®]
NET

DeviceNet

PROFI[®]
BUS

sercos

MODBUS/TCP

EtherNet/IP

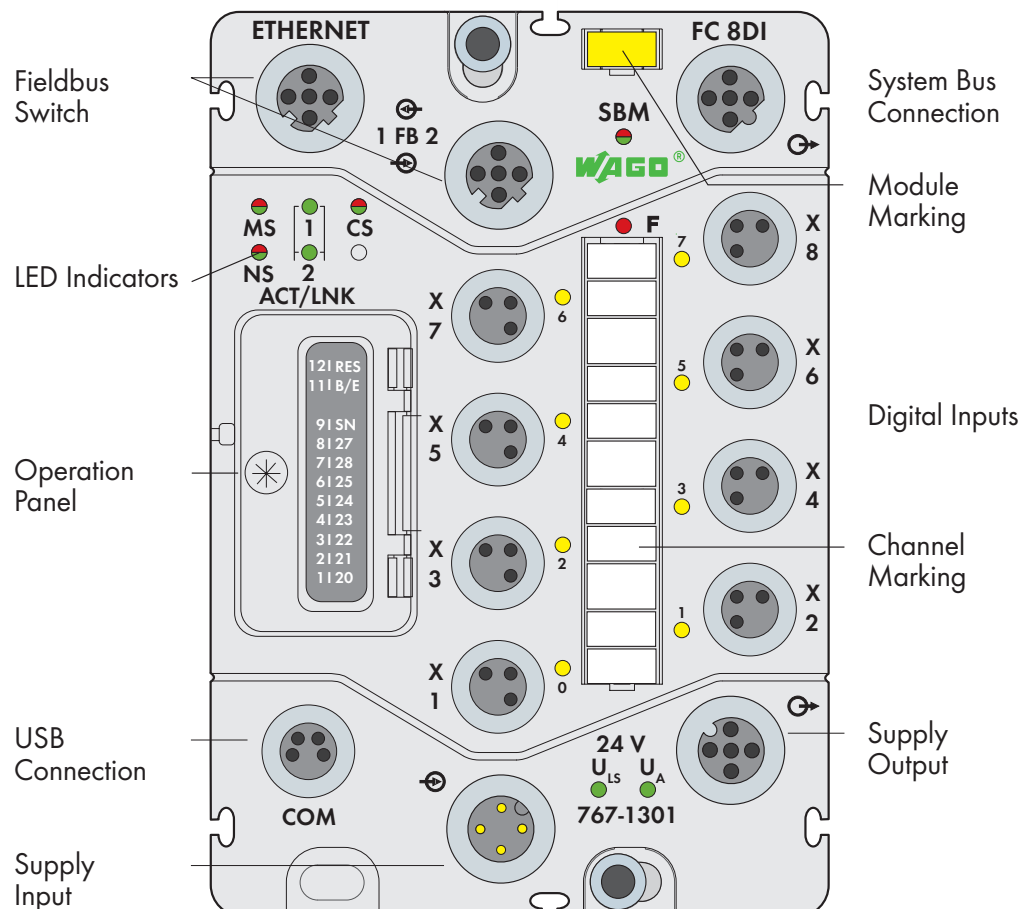
High Performance Data Transfer

High-performance with standard fieldbuses

- Cycle time (system bus asynchronous to fieldbus)
- 512 digital signals, approx. 700 µs (sercos 250 µs)
- 256 digital signals + 64 analog signals, approx. 700 µs (sercos 250 µs)
- 32 digital signals + 8 analog signals, approx 400 µs (sercos 250 µs)

Fieldbus Independent

- Supports 7 different fieldbus protocols
- Fieldbus switch on for daisy chaining
- Addressing via DIP switch or software
- USB port for direct configuration



Item No.	Description
Fieldbus Couplers (FC)	
767-1101	PROFIBUS-DP/V1 Coupler, Incl. 8 Digital Inputs 24 VDC
767-1201	PROFINET I/O Coupler, Incl. 8 Digital Inputs 24 VDC
767-1301	ETHERNET Coupler, Incl. 8 Digital Inputs 24 VDC
767-1311	sercos Coupler, Incl. 8 Digital Inputs 24 VDC High-Speed
767-1401	DeviceNet Coupler, Incl. 8 Digital Inputs 24 VDC
767-1501	CANopen Coupler, Incl. 8 Digital Inputs 24 VDC
Digital Input Modules (DI)	
767-3801	8 DI, 24 VDC, (8 x M8)
767-3802	8 DI, 24 VDC, (4 x M12)
767-3803	8 DI, 24 VDC, (8 x M8) Low Side Switching
767-3804	8 DI, 24 VDC, (4 x M12) Low Side Switching
767-3805	8 DI, 24 VDC, (8 x M12)
767-3806	8 DI, 24 VDC, High-Speed (sercos) (4 x M12)
Digital Output Modules (DO) .../000-800 Interference-Free Version	
767-4801/000-800	8 DO, 24 VDC, 0.5 A (8 x M8)
767-4802/000-800	8 DO, 24 VDC, 0.5 A (4 x M12)
767-4803/000-800	8 DO, 24 VDC, 2.0 A (8 x M8)
767-4804/000-800	8 DO, 24 VDC, 2.0 A (4 x M12)
767-4805	8 DO, 24 VDC, 0.5 A (8 x M8) Low Side Switching
767-4806	8 DO, 24 VDC, 0.5 A (4 x M12)
767-4807/000-800	8 DO, 24 VDC, 0.5 A (8 x M12)
767-4808	8 DO, 24 VDC, 0.1 A High-Speed (sercos) (4 x M12)
Digital Input/Output Modules (DIO) .../000-800 Interference-Free Version	
767-5801/000-800	8 DIO, 24 VDC, 0.5 A (8 x M8)
767-5802/000-800	8 DIO, 24 VDC, 0.5 A (4 x M12)
767-5803/000-800	8 DIO, 24 VDC, 0.5 A (8 x M12)
767-5401	4 DIO, 24 VDC, 0.2 A High-Speed (sercos) (4 x M12)
Analog Input Modules (AI)	
767-6401	4 AI, voltage/current, (0 ... 22 mA, 4 ... 20 mA, ± 20 mA, 0 ... 10 V, ± 10 V)
767-6402	4 AI, RTD, (Pt 100/200/500/1000, Ni100/120/1000, Resistance: 1 k Ω , Potentiometer adjustment: 0 ... 100%)
767-6403	4 AI, thermocouple, (type: B/C/E/J/N/K/R/S/T, Voltage: $\pm 36/\pm 72/\pm 145/\pm 290$ mV)
Analog Output Modules (AO)	
767-7401	4 AO, voltage/current, (0 ... 20 mA, 4 ... 20 mA ± 20 mA, 0 ... 10 V ± 10 V)
Function and Technology Modules	
767-5201	TTL Incremental Encoder/SSI Interface (4 x M12) 4 DIO
767-5202	HTL Incremental Encoder/Counter (4 x M12) 4 DIO
Communication Modules	
767-5203	2-channel serial Interface, RS-232, RS-422/485 (4 x M12) + 4 DIO
767-5204	MOVILINK® Interface (4 x M12) + 4 DIO
Supply Modules	
767-9101	Power Divider, (1 x M23 + 6 x M12)



Coupler



8 x m8



4 x m12



8 x m12

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51268957 0888-0832/0000-0280 Printed in the United States

**WAGO Corporation**

N120 W19129 Freistadt Road
Germantown, Wisconsin 53022
Telephone: 800 / DIN Rail (346-7245)
Fax: 262 / 255-3232
info.us@wago.com
www.wago.us

Canada

WAGO Corporation
Tel. 800/DIN Rail (346-7245)
Fax 262/255-3232
www.wago.ca

Mexico

WAGO Corporation
Queretaro
Tel. 001/800/309/5975
+ 52/442/221/5946
Fax + 52/442/221/5063
www.wago.mx

