

## Data sheet

752-823

### PROFIBUS DP MODULE 12 MBaud DIGITAL SIGNALS CARRIER RAIL DIN 35 CAGE CLAMP CONNECTION



## Technical data

Package size 1 piece.

Wire connection	3-CONDUCTOR
Max. no. of nodes	96 with repeater
Max. no. Of I/O points	ca. 6000 (depends on Master)
Transmission medium	Cu-cable acc. to EN 50170
Max. length of fieldbus segment	100 m ... 1200 m (depends on the baud rate / on the cable)
Baud rate	9.6 kBaud ... 12 Mbaud
Buscoupler connection	1 x D-SUB 9; socket
Local diagnostics LED 1	RUN, status configuration (green)
Local diagnostics LED 2	BF, bus failure (red)
Local diagnostics LED 5	OVERLOAD, overload indication (red)
Voltage supply	DC 24 V (-15% / + 20%)
Max. operating frequency (without bus) inductive load	6 Hz (Utilization category DC 13 )
Current consumption (no load connected)	<100 mA / 24 V
Operating temperature	0 °C ... + 55 °C
Isolation electronics / system	between fieldbus and internal electronic
Degree of protection	IP 20
Fixing	DIN rail 35
Fitting position	vertical and horizontal
Reverse voltage protection	Yes
Power supply	main incoming supply; via supply terminals 24 V, 0 V and circuit groups: via supply terminals for 8 outputs
Status indication	yes via LEDs

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No. of inputs	16
Input	acc. EN 61131-2, Typ 1
Max. input voltage	DC 24 V (-15% / + 20%)
Signal voltage (0)	DC -3 V ... +5 V
Signal voltage (1)	DC 15 V ... 30 V
Time constant	3 ms
Isolation electronics/field side	no
Fuse	TR 5; T 6.3 A (USE UL RECOGNIZED FUSES ONLY!)
Rated current max. per output	500 mA
Rated current max. per group	4 A
Rated current max. per module	8 A
Leakage current	< 2 mA
Isolation system / input	4 kV, 50 Hz, 1 min
Isolation system / output	4 kV, 50 Hz, 1 min
Standard	EN 50170
Conformity marking	CE
Cross section from [mm <sup>2</sup> ]	0.08 mm <sup>2</sup>
Cross section to [mm <sup>2</sup> ]	2.5 mm <sup>2</sup>
Cross section from [AWG]	28 AWG
Cross section to [AWG]	14 AWG
Cross section from [mm <sup>2</sup> ]	0.08 mm <sup>2</sup>
Cross section to [mm <sup>2</sup> ]	1.5 mm <sup>2</sup>
Cross section from [AWG]	28 AWG
Cross section to [AWG]	16 AWG
Cross section from [mm <sup>2</sup> ]	0.08 mm <sup>2</sup>
Cross section to [mm <sup>2</sup> ]	1.5 mm <sup>2</sup>
Cross section from [AWG]	28 AWG
Cross section to [AWG]	16 AWG
Weight	9.999 g
Color	light grey
Height	59.8 mm
Height	2.354 in
Width	155 mm
Width	6.102 in
Depth	128.7 mm
Depth	5.067 in
Rated voltage	DC 24 V (-15% / + 20%)
Max. operating frequency (without bus) resistive load	1 kHz
Input filter (ms)	3 ms
No. of outputs	16

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**Diagnostics**

Short-circuit indication via LED (OVERLOAD)for the entire module;message via bus for groups of 4 outputs

**Short circuit protection**

electronic, automatic restart

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Approval	Voltage	Current	Approval number	Notes
cULus	24		E175199	

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### PROFIBUS DP MODULE 12 MBaud DIGITAL SIGNALS CARRIER RAIL DIN 35 CAGE CLAMP CONNECTION

Accessories	Item number
ALUMINIUM CARRIER RAIL 35 X 7.5 MM, 1.5 MM / 0.059 IN THICK	210-196
COPPER CARRIER RAIL 35 X 15 MM, 2.3 MM / 0.091 IN THICK	210-198
POWER SUPPLY UNIT PRIMARY TRIGGERED	787-903
POWER SUPPLY UNIT PRIMARY TRIGGERED	787-904
POWER SUPPLY UNIT PRIMARY TRIGGERED	787-912
PROFIBUS DP MODULE 12 MBaud	752-323
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-808
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-809
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-810
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-812
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-813
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-814
RAIL-MOUNTED MODULES - POWER SUPPLYUNITS WITH UNIVERSAL MOUNTING CARRIER	288-815
REPLACEMENT FUSE TR 5 T 6.3 A / 250 V	752-180
SCREEN CLAMPING SADDLE 11 MM / 0.433 IN WIDE	790-108
SCREEN CLAMPING SADDLE 19 MM / 0.741 IN WIDE	790-116
SCREEN CLAMPING SADDLE 27 MM / 1.053 IN WIDE	790-124
SCREEN CLAMPING SADDLE 43 MM / 1.677 IN WIDE	790-140
SCREWDRIVER Type 1, bar (2,5 x 0,4) mm	210-119
SCREWDRIVER Type 2, bar (3,5 x 0,5) mm	210-120
SCREWDRIVER WITH PARTIALLY INSULATED SHAFT Type 1, bar (2,5 x 0,4) mm	210-619
SCREWDRIVER WITH PARTIALLY INSULATED SHAFT Type 2, bar (3,5 x 0,5) mm	210-620
SCREWLESS END STOP 10 MM / 0.394 IN WIDE	249-117
STEEL CARRIER RAIL 35 X 15 MM, 1.5 MM / 0.059 IN THICK	210-114
STEEL CARRIER RAIL 35 X 15 MM, 1.5 MM / 0.059 IN THICK	210-197
STEEL CARRIER RAIL 35 X 15 MM, 1.5 MM / 0.059 IN THICK	210-506
STEEL CARRIER RAIL 35 X 15 MM, 1.5 MM / 0.059 IN THICK	210-508
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-112
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-113
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-162
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-229
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-504
STEEL CARRIER RAIL 35 X 7.5 MM, 1 MM / 0.039 IN THICK	210-505

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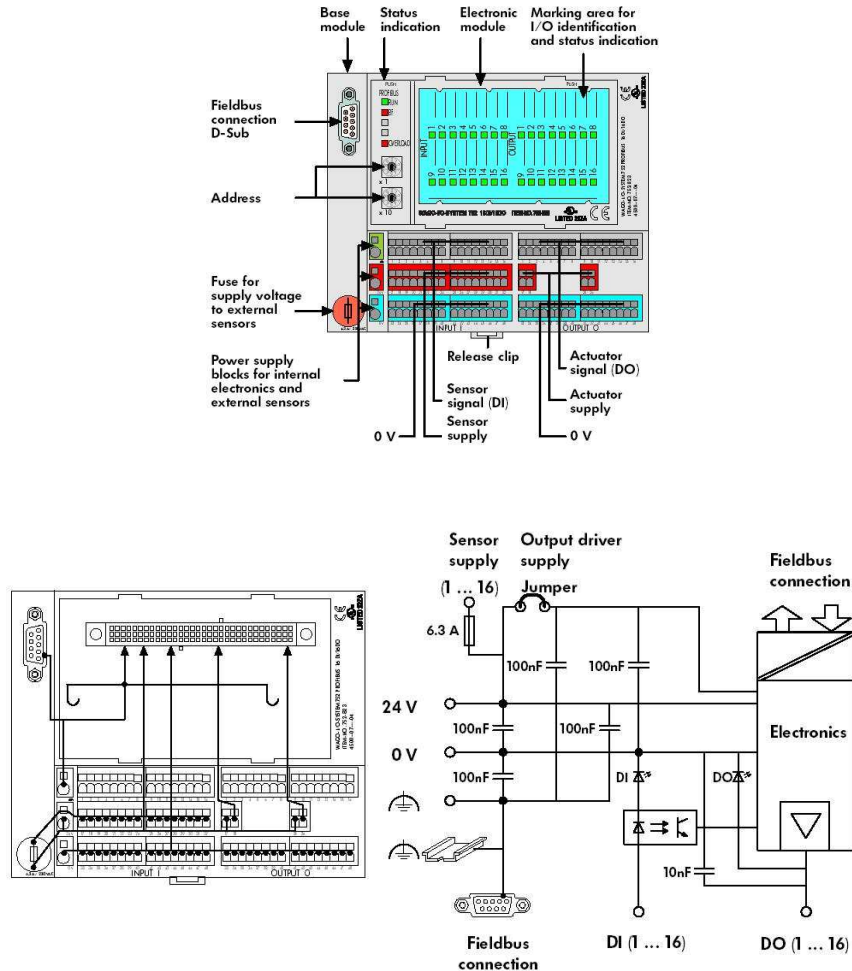
STÜTZELKO-MODUL SMOOTHES UNSTABLE DC 24 V POWER SUPPLIES

288-824

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The WAGO-I/O-SYSTEM 752 for PROFIBUS DP is part of the range of WAGO compact fieldbus nodes for decentralized automation. It has a fixed number of digital inputs (DI) and digital outputs (DO) and transfers the signals via PROFIBUS DP to a supervisory control.

Several variations are available.

A fieldbus node consists of

- | base module and
- | pluggable electronic module.

The base module allows pre-wiring of the fieldbus and sensor/actuator connections. The electronic module incorporates the electronics and is plugged onto the base module. An electronic module can be replaced without interfering with the field wiring.

The WAGO CAGE CLAMP® connection is utilized for both the power supply to the electronic module and field terminals for the sensors and actuators.

Power supply terminals can each supply 8 digital output circuits, as an example, to establish safety circuits. The power supply to the sensors is protected by a fuse.

**Note: GSD files required**