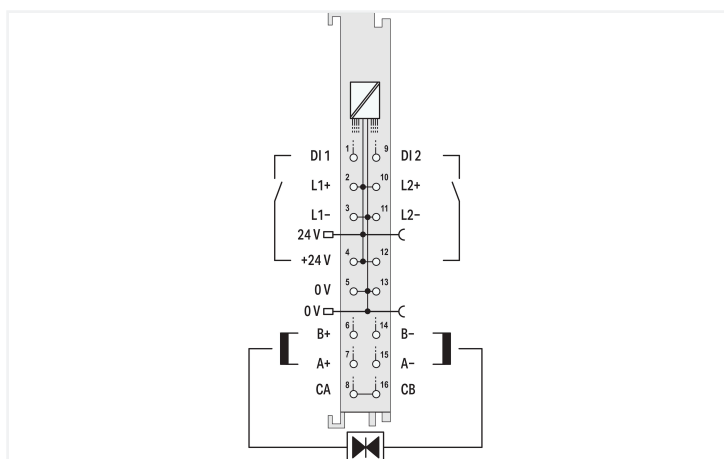
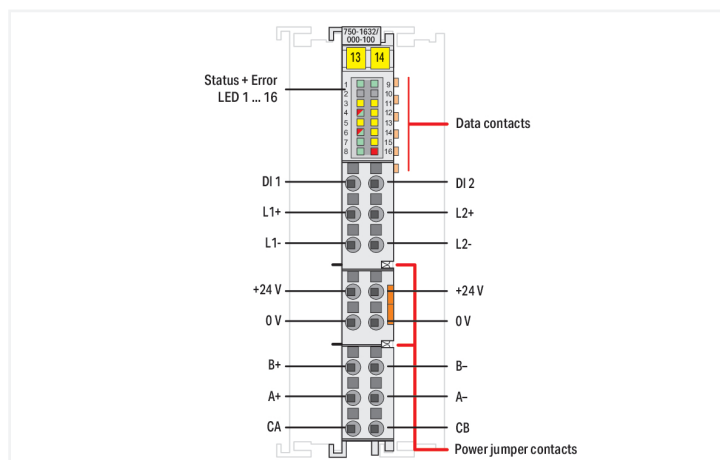
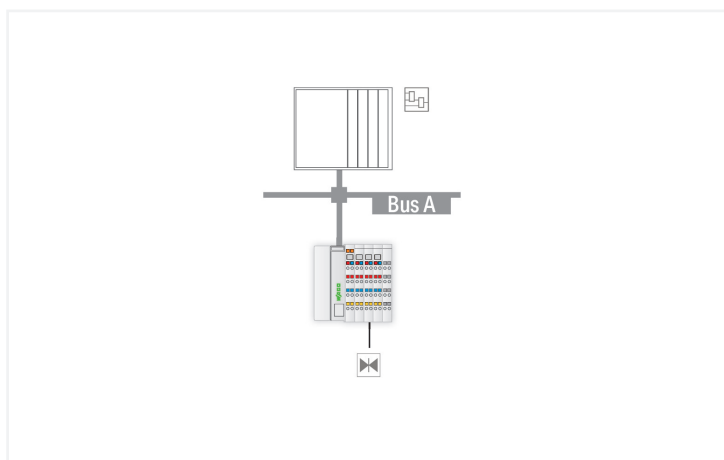
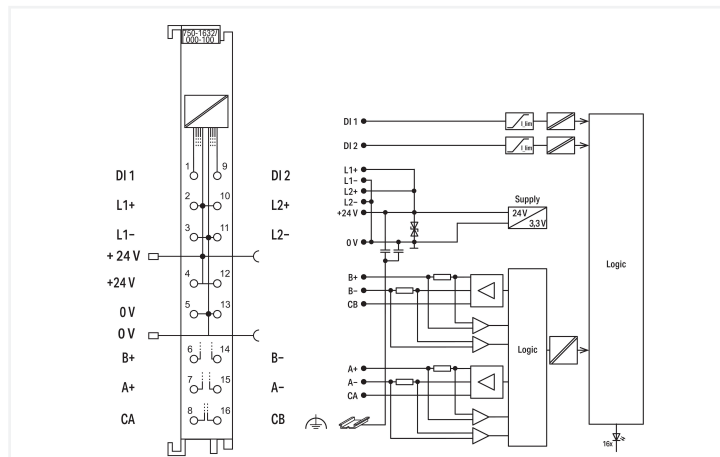


Data Sheet | Item Number: 750-1632/000-100
Proportional valve module; 2-,3-,4-wire connection

<https://www.wago.com/750-1632/000-100>



The 750-1632/000-100 Proportional Valve Module controls two single-coil valves with up to 24 V/1.6 A or one valve with up to 24 V/2 A. The module features two current-controlled PWM* outputs with adjustable dithering.

Both unipolar and bipolar valve control are possible. Additionally, operation of a valve with two unipolar coils is also provided. A two-channel module may also be used for simple applications. Characteristic curve adaptations, such as zero offset, dual gain compensation or range limitations, can be adjusted via parameters.

Scaling and configurable up/down ramps let you adapt the setpoints to the specific application. Two additional digital inputs are available, e.g., for monitoring threshold value switches. Commissioning and valve parameters adjustment are performed via the WAGO-I/O-CHECK software or the controller.

*PWM = Pulse width modulation

Technical data	
Number of digital inputs	2
Number of outputs	2 bipolar outputs (A+, A- and B+, B-)
Type of output	H-bridge output with current-regulated PWM output (short-circuit-proof and thermal overload-proof for each channel)
Input characteristic	high-side switching
Input characteristic	Type 1
Input current (typ.)	2.7 mA at 24 V
Output current	1-channel operation: 2 A; 2-channel operation: 1.6 A per channel
Load type	Operating range: inductive (1 mH ... 600 mH); Internal load resistance (> 8 Ohm)
PWM frequency (typ.)	25 kHz
Data width	6 bytes: single-channel operating mode; 12 bytes: dual-channel operating mode
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	125 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (field side supply voltage only) via spring contact)
Current consumption, field supply (module with no external load)	20 mA
Isolation	500 V system/field
Indicators	LED (1, 8, 9, 15) green: Signal Status DI 1, Undervoltage, Signal Status DI 2, Parameterization Status; LED (3, 5, 11, 13) yellow: Setpoint, Dithering Channel A, B; LED (4, 6) red/green: Status Channel A, B; LED (7, 16) red: Initialization, Error
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2

Connection Data	
Connection technology: I/O	16 x Push-in CAGE CLAMP®
Connectable conductor materials	Copper
Connection type	Input/output
Solid conductor	0.08 ... 1.5 mm ² / 28 ... 16 AWG
Fine-stranded conductor	0.25 ... 1.5 mm ² / 22 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Connection requirement (permissible cable length)	30 m
Connection requirement (permissible cable type)	Outputs
Note (conductor cross-section)	Coil connections A+/A-/B+/B-: 1.5 mm ² /16 AWG; For use according to UL 508: 16 AWG for all connections
Temperature range of connection cable	The permissible temperature range of the connecting cable must be selected based on the installation position and current load, as the terminal connection temperature may exceed the maximum expected ambient temperature by up to 25°C (at 10 A).

Physical data	
Width	12 mm / 0.472 inches
Height	100 mm / 3.937 inches
Depth	69 mm / 2.717 inches
Depth from upper-edge of DIN-rail	61.8 mm / 2.433 inches

Mechanical data

Mounting type	DIN-35 rail
Pluggable connector	fixed

Material data

Housing material	Polycarbonate; polyamide 6.6
Fire load	0.591 MJ
Weight	53.6 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-25 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Mounting position	Horizontal left, horizontal right, horizontal top, horizontal bottom, vertical top and vertical bottom
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-4, marine applications
Exposure to pollutants	per IEC 60068-2-42 and IEC 60068-2-43
Permissible H ₂ S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO ₂ contaminant concentration at a relative humidity 75 %	25 ppm

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966488470
Customs tariff number	85389099990

Product Classification

UNSPSC	32151705
ETIM 9.0	EC001601
ETIM 10.0	EC001601
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	d171175d-f296-4ae6-be36-ca18821f823e
SCIP notification number (Belgium)	69db035d-7638-4843-9233-43fc6bb98bfe
SCIP notification number (Bulgaria)	ea63a238-56e6-4a48-a548-f58c2a1d8efd

Environmental Product Compliance

SCIP notification number (Czech Republic)	5f0dc191-42f7-41b5-a3b7-68ba39a50dbc
SCIP notification number (Denmark)	084b5363-1ffe-4d13-94da-19dae4849145
SCIP notification number (Finland)	d6bc3a9a-0f51-43b9-b8e1-e8bbcca18f8d
SCIP notification number (France)	5eabcb6d-80f2-4d65-974b-3316d77bd4a1
SCIP notification number (Germany)	f884c2ea-8144-4b0a-8b99-d62e88f6a876
SCIP notification number (Hungary)	0dbe2867-2609-4cb8-b426-24a2a2f3bd7b
SCIP notification number (Italy)	decf1903-f05b-4ce1-93e7-5e3a80e2fca3
SCIP notification number (Netherlands)	0d264bda-4bb9-404d-8401-6430af29b376
SCIP notification number (Poland)	f552f9e5-faf2-4be2-bd54-530b53f99f45
SCIP notification number (Romania)	542e4892-ebb0-44aa-a005-ee188a7fa04d
SCIP notification number (Sweden)	dd57e474-579b-4e1b-9a11-1ec27e108240

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA00002K2

Approvals for hazardous areas



Approval	Standard	Certificate Name
ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV14ATEX148929X (II 3 G Ex ec IIC T4 Gc)
IECEx TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 14.0035 X (Ex ec IIC T4 Gc)
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads


Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-1632/000-100	↓
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Documentation

Manual

Product Manual Proportional Valve Module	2457966475 4 en-US 2025-07-23 20:43 25.07.2025	pdf	2624.95 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 750-1632/000-100	
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Engineering-Software

Configuration and Commissioning Software

WAGO PropVentilSetup (01.15.05.13) Full	15.03.2023	zip	79937.66 KB	
WAGO PropVentilSetup (01.15.05.13) Small	15.03.2023	zip	11667.12 KB	