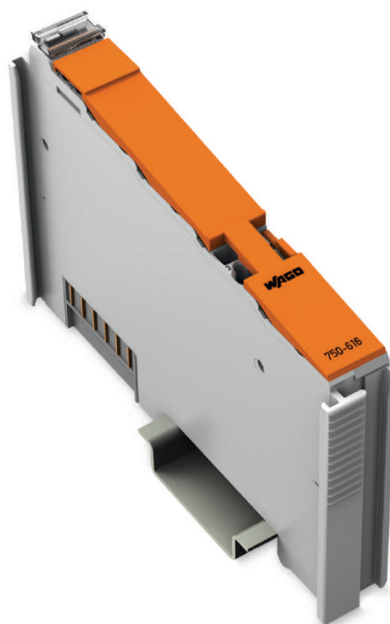


WAGO I/O System 750/753

Distance module

750-616; 750-616/030-000



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Every conceivable measure has been taken to ensure the accuracy and completeness of this documentation. However, as errors can never be fully excluded, we always appreciate any information or suggestions for improving the documentation.

E-Mail: ✉ documentation@wago.com

We wish to point out that the software and hardware terms as well as the trademarks of companies used and/or mentioned in the present manual are generally protected by trademark or patent.

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1 Provisions

1.1 Scope of Applicability

This document applies to the following products:

🔗 **750-616** (Distance Module) Distance module.

From hardware version	02
From firmware version	--
Product detail page	🔗 www.wago.com/750-616

🔗 **750-616/030-000** (Distance Module) Distance module.

From hardware version	--
From firmware version	--
Product detail page	🔗 www.wago.com/750-616/030-000

Note

Note applicable documents!

The complete operating instructions for the products consist of several applicable documents. The products must only be installed and operated in accordance with the complete operating instructions. Knowledge of all applicable documents is required for proper use. Please find all documents and information on the detailed product pages.

Applicable document

📄 System Manual I/O System 750/753

- Provisions
- Safety
- Planning
- Transport and Storage
- Assembly and Disassembly
- Conductor Termination
- Decommissioning

2 Overview

The distance module divides a fieldbus node visually and electrically into sections, e.g., various functional units.

The 750-616/030-000 variant has an additional marking: 24 VDC / 230 VAC. This marking is its only difference from the standard variant.

Use of distance modules makes it possible to meet stricter requirements on clearances and creepage distances.

The spacer module can be operated on all head stations of the WAGO I/O System 750/753.

3 Properties

3.1 View

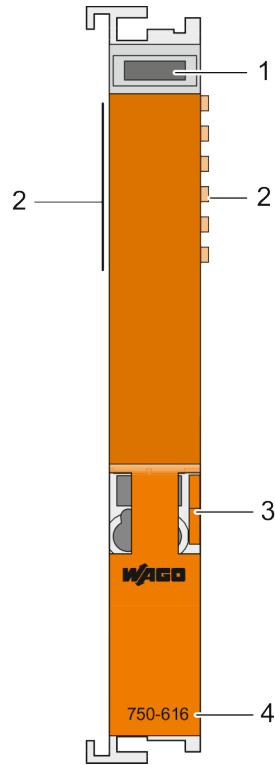


Figure 1: View

1	Slot for Mini-WSB (optional)	☐ System Manual I/O System 750/753
2	Data contacts	☐ System Manual I/O System 750/753
3	Release tab	☐ System Manual I/O System 750/753
4	Item number	🔗 Scope of Applicability [▶ 4]

4 Planning

This section provides helpful information for planning the use of the product in a node.

4.1 Compatibility

The spacer module can be operated on all head stations of the WAGO I/O System 750/753.

4.2 Requirements for Wiring and Accessories

The distance module has no power jumper contacts. If necessary, use a suitable supply module for the field supply of a subsequent node section.

Strict requirements regarding clearances and creepage distances apply to all sections of a node that contain I/O modules for Ex i use. After an Ex i node section, four distance modules must be used in order to meet the requirements.

For more detailed information on using distance modules in special applications and environments, see sections "Marine and Offshore" and "Ex i Requirements" of the [WAGO System Manual I/O System 750/753](#).

5 Appendix



5.1 Technical Data, Approvals, Guidelines and Standards

Note

Subject to changes!

Please also observe the further product documentation! You can generate the current datasheet at any time at: www.wago.com /<item number>.

See also

-  Data sheet 750-616 [▶ 9]
-  Data sheet 750-616/030-000 [▶ 11]

The separation module visually divides a fieldbus node into sections.

Separation module 750-616 has no power jumper contacts.

Notice:

Operation of the adjacent I/O modules requires a supply module.

Technical data

Supply voltage (system)	5 VDC; via data contacts
-------------------------	--------------------------

Connection data

Connectable conductor materials	Copper
---------------------------------	--------

Physical data

Width	12 mm / 0.472 inches
Height	100 mm / 3.937 inches
Depth	69.8 mm / 2.748 inches
Depth from upper-edge of DIN-rail	62.6 mm / 2.465 inches

Mechanical data

Mounting type	DIN-35 rail
Pluggable connector	fixed

Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	1.107 MJ
Weight	36 g
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-40 ... +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

Product classification	
UNSPSC	32151705

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations											
			<table border="1"> <thead> <tr> <th>Approval</th> <th>Standard</th> <th>Certificate Name</th> </tr> </thead> <tbody> <tr> <td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td> <td>-</td> <td>-</td> </tr> <tr> <td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td> <td>-</td> <td>-</td> </tr> </tbody> </table>			Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	22-2219060
BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
BV Bureau Veritas S.A.	-	13453/E0 BV
DNV DNV GL SE	DNV-CG-0339, Aug. 2021	TAA0000194
KR Korean Register of Shipping	-	KR HMB05880-AC001
LR Lloyds Register EMEA	-	LR22180952TA
PRS Polski Rejestr Statków	-	TE/1101/880590/23
RINA RINA Germany GmbH	-	ELE343521XG001

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)
CCCEX CQST/CNEX	CNCA-C23-01	2020312310000213 (Ex ec IIC T4 Gc)
IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 14.0035 X (Ex ec IIC T4 Gc)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079-0	TÜV 12.1297 X
KTL Korea Testing Laboratory	KOSHA Article 34, IEC60079-0	20-KA4BO-0100X
UKEX WAGO GmbH & Co. KG	EN 60079-0	UKCA_WA GO22UKEX003X_ec

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com

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