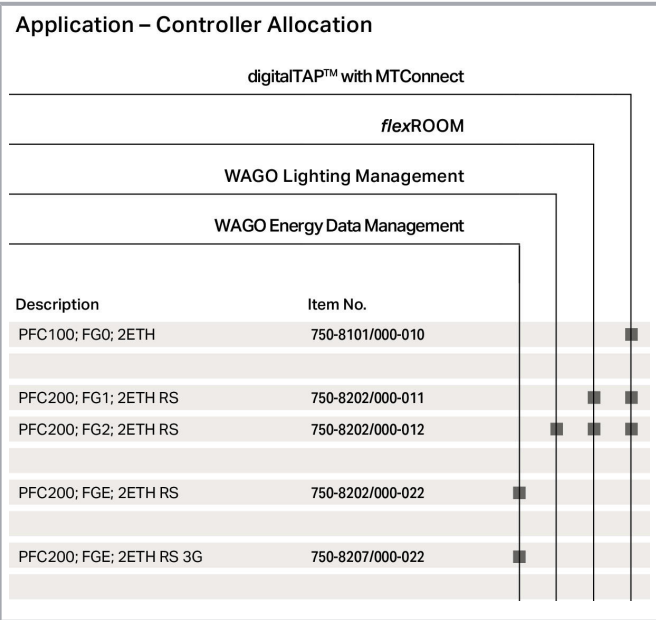
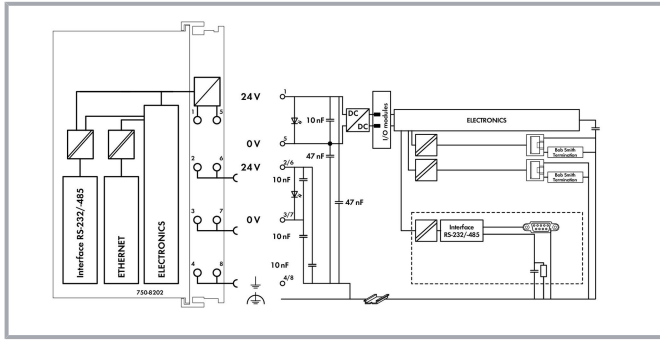


Subject to changes. Please also observe the further product documentation!


WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



Successor model

Item no. 2759-204/261-1000
 Application Lighting Management; Single License; Online activation
www.wago.com/2759-204/261-1000



Item no. 750-8212
 Controller PFC200; 2nd Generation; 2 x ETHERNET, RS-232/-485
www.wago.com/750-8212

Item description

The controllers are designed for the processing of WAGO applications. You can identify these controllers by a special version of the item number.

The application can be downloaded from the respective item on our website. Additional information can be obtained from the application documentation.

The controllers can also be used with their own applications as they offer all possibilities of the respective standard variant beyond the use of the WAGO application(s).

Programming per IEC 61131-3

- Programmable via WAGO-I/O-PRO V2.3 or *e!COCKPIT*
- Direct connection of WAGO I/O Modules
- 2 x ETHERNET (configurable), RS-232/485
- Linux operating system with RT-Preempt patch
- Configuration via CODESYS, *e!COCKPIT* or Web-Based Management interface
- Maintenance-free

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



Suitable software application:

- Machine Data Collection with MTConnect
- Lighting management

Note:

Download and register the software: Formular

Data

Technical data

Communication	Modbus (TCP, UDP) ETHERNET Modbus® RTU RS-232 serial interface RS-485 serial interface EtherNet/IP™ Adapter (slave), library for e!RUNTIME
ETHERNET protocols	DHCP DNS NTP FTP FTPS SNMP HTTP HTTPS SSH
Visualization	Web Visu
Operating system	Real-time Linux (with RT-Preempt patch)
CPU	Cortex A8; 600 MHz
Programming languages per IEC 61131-3	Instruction List (IL) Ladder Diagram (LD) Function Block Diagram (FBD), Continuous Function Chart (CFC) Structured Text (ST) Sequential Function Chart (SFC)
Programming environment	e!COCKPIT (based on CODESYS V3) WAGO-I/O-PRO V2.3 (based on CODESYS V2.3)
Configuration options	e!COCKPIT WAGO-I/O-CHECK Web-Based Management
Baud rate (communication/fieldbus 1)	10/100 Mbit/s
Baud rate	ETHERNET: 10/100 Mbit/s

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Transmission medium (communication/fieldbus)	ETHERNET: Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Main memory (RAM)	256 MB
Internal memory (flash)	256 MB
Non-volatile hardware memory	128 Kbytes
Program memory	CODESYS V2: 16 MB; e!RUNTIME: 60 MB (Program and data memory (dynamically distributed))
Data memory	CODESYS V2: 64 MB; e!RUNTIME: 60 MB Program and data memory (dynamically distributed)
Non-volatile software memory	128 Kbytes
Non-volatile software memory	128. Kbytes
Memory card type	SD and SDHC up to 32 GB (all guaranteed properties only valid with WAGO 758-879/000-001 Memory Card)
Memory card slot	Push-push mechanism; Cover lid (sealable)
Number of modules per node (max.)	250
Number of modules without a bus extension (max.)	64
Input and output (internal) process image (max.)	1000 Worte/1000 Worte
Input and output (MODBUS) process image (max.)	CODESYS V2: 1000 Worte/1000 Worte
Indicators	LED (SYS, RUN, I/O, U1 ... U7) red/green/orange: Status of system, program, local data bus, status programmable by user (can be used via CODESYS library); LED (A, B) green: Status of system power supply, field supply
Supply voltage (system)	24 VDC (-25 ... +30 %); via pluggable connector (CAGE CLAMP® connection)
Input current (typ.) at nominal load (24 V)	550 mA
Total current (system supply)	1,700 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts
Current carrying capacity (power jumper contacts)	10 A
Number of outgoing power jumper contacts	3
Isolation	500 V system/field

Connection data

Connection technology: communication/fieldbus	Modbus TCP/UDP: 2 x RJ-45; Modbus RTU: 1 x D-sub 9 socket; RS-232 serial interface: 1 x D-sub 9 socket; RS-485 serial interface: 1 x D-sub 9 socket
Connection technology: system supply	2 x CAGE CLAMP®
Connection technology: field supply	6 x CAGE CLAMP®
Connection type (1)	System/field supply
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG

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



Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Connection technology: device configuration	1 x Male connector; 4-pole

Physical data

Width	78.6 mm / 3.094 inch
Height	100 mm / 3.937 inch
Depth	71.9 mm / 2.831 inch
Depth from upper edge of DIN-rail	64.7 mm / 2.547 inch

Mechanical data

Weight	208.2 g
Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Conformity marking	CE

Environmental requirements

Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-25 ... 85 °C
Protection type	IP20
Pollution degree (5)	2 per IEC 61131-2
Operating altitude	without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 5000 m (0.5 K/100 m); 5000 m (max.)
Relative humidity (without condensation)	95 %
Mounting position	any
Mounting type	DIN-35 rail
Vibration resistance	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 61000-6-3, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Fire load	2.346 MJ
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

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

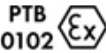



Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

Commercial data


PU (SPU)	1 Stück
Packaging type	box
Country of origin	DE
GTIN	4055143544610
Customs tariff number	85371091990

Approvals / Certificates


Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TUEV_14_ATEX_148929_X
 Ex nA IIC T4 Gc	CCCEX CQST/CNEx	CNCA-C23-01	2020312310000213
	IECEX TUEV Nord Cert GmbH	IEC 60079-0	IECEX_TUN_14.0035_X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Country specific Approvals



Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP- REM-W43- PFC750

Ship Approvals


Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1821926
	DNV GL	-	TAA0000194

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

Det Norske Veritas, Germanischer Lloyd







	LR Lloyds Register	-	02/20026 (E6)
	PRS Polski Rejestr Statków	-	TE/2236 /880590/19

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1

Optional accessories

Sensors

Sensor	Item no.: 2851-8201 WAGO DALI Multi-Sensor Kit	www.wago.com/2851-8201
	Item no.: 2851-8202 DALI sensor coupler	www.wago.com/2851-8202
	Item no.: 2852-7208 4p4c connection cable, 50 cm	www.wago.com/2852-7208
	Item no.: 2852-7204 DALI Sensor Coupler E / DALI sensor coupler for external sensors	www.wago.com/2852-7204
	Item no.: 2852-7206 HF LS LI / Control units for light management systems	www.wago.com/2852-7206
	Item no.: 2852-7203 DALI LS/PD LI / Control units for light management systems	www.wago.com/2852-7203
	Item no.: 2852-7202 VISION / Stand-alone motion sensors with switching contact	www.wago.com/2852-7202

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



Item no.: 2852-7201
HIGH BAY / Stand-alone motion sensors with switching contact

www.wago.com/2852-7201



Item no.: 2852-7205
DALI Sensor Coupler HF LS LI / DALI coupler for radar sensor HF LS LI

www.wago.com/2852-7205



Item no.: 2852-7301
DALI XC Control Module with 4 freely programmable inputs

www.wago.com/2852-7301



Item no.: 2852-7207
DALI HIGHBAY ADAPTER / Control units for light management systems

www.wago.com/2852-7207

Application

Digital output



Item no.: 750-1504
16-channel digital output; 24 VDC; 0.5 A

www.wago.com/750-1504

DALI interface



Item no.: 753-647
DALI Multi-Master

www.wago.com/753-647

Serial interface



Item no.: 750-652
RS-232/485 Serial Interface

www.wago.com/750-652

RTC module



Item no.: 750-640
Real-time clock Module

www.wago.com/750-640

Analog input



Item no.: 750-495/000-001
3-Phase Power Measurement; 690 VAC, 5 A

www.wago.com/750-495/000-001



Item no.: 750-495/000-002
3-Phase Power Measurement; 690 VAC Rogowski coils

www.wago.com/750-495/000-002



Item no.: 750-495
3-Phase Power Measurement; 690 VAC, 1 A

www.wago.com/750-495

KNX interface



Item no.: 753-646
KNX/EIB/TP1 Interface

www.wago.com/753-646

Digital input



Item no.: 750-1405
16-channel digital input; 24 VDC; 3 ms

www.wago.com/750-1405

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Bus end module



Item no.: 750-600
End Module

www.wago.com/750-600

General accessories

Bluetooth



Item no.: 750-921
Bluetooth® Adapter

www.wago.com/750-921

General accessories



Item no.: 2852-7901
GPS DCF Converter UTC±

www.wago.com/2852-7901

Relay module



Item no.: 788-304
Relay module; Nominal input voltage: 24 VDC; 1 changeover contact; Limiting continuous current: 16 A; www.wago.com/788-304
Red status indicator; Module width: 15 mm; 2,50 mm²; gray



Item no.: 788-357
Relay module; Nominal input voltage: 24 VDC; 1 make contact; Limiting continuous current: 16 A; Red status indicator; Module width: 15 mm www.wago.com/788-357

Communication cable



Item no.: 750-923
Configuration cable; USB connector; Length: 2.5 m

www.wago.com/750-923



Item no.: 750-923/000-001
Configuration cable; USB connector; Length: 5 m

www.wago.com/750-923/000-001

Current transformer terminal block



Item no.: 2007-8874
Compact terminal block; for current and voltage transformers; 6,00 mm²; multicoloured

www.wago.com/2007-8874



Item no.: 2007-8877
Compact terminal block; for current transformer circuit; 6,00 mm²; multicoloured

www.wago.com/2007-8877

EnOcean



Item no.: 758-940/001-000
Radio transmitter; EnOcean easyfit PTM 250; 2-channel lighting control

www.wago.com/758-940/001-000

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



Item no.: 758-940/003-000
Radio transmitter; EnOcean easyfit PTM 250; 4-channel lighting control

www.wago.com/758-940/003-000



Item no.: 2852-7102
SRE Repeater with ext. ant. / EasySens Radio Repeater

www.wago.com/2852-7102



Item no.: 2852-7101
STC65 RS-485 EVC EnOcean Receiver/Transmitter with RS-485 EVC interface

www.wago.com/2852-7101

Power supplies

Power supply



Item no.: 787-1007
Switched-mode power supply; for DALI module (753-647); 1-phase; 18 VDC output voltage; 1.1 A output current; 2,50 mm²

www.wago.com/787-1007



Item no.: 787-1112
Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC OK signal

www.wago.com/787-1112

Memory card

Memory card

Item no.: 758-879/000-001
Memory Card SD; SLC-NAND; 2 GByte; Temperature from -40 to 90 °C

www.wago.com/758-879/000-001

Downloads

Documentation

Manual

Cyber Security for Controller PFC100 / PFC200	V 1.2.0	pdf 8.3 MB	Download
Documentation Lighting Management WAGO Lighting Management is the refined solution for lighting control in large spaces such as production facilities and warehouses. Using a combination of predefined hardware and user-friendly software, WAGO offers a lighting management system that facilitates design and commissioning of new lighting systems while providing numerous additional advantages for their operation.	1.2.1 2020. 11. 17.	pdf 8.2 MB	Download
PFC200 FGx 2ETH RS Controller PFC200; FGx; 2 x ETHERNET, RS-232/-485	V 1.2.0 2019. 11. 15.	pdf 5.0 MB	Download
System Manual WAGO I/O System 750 / 753 Decentralized Automation Technology	V 3.0.2 2021. 4. 27.	pdf 6.6 MB	Download
System Manual Series 750/753		URL	Download

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Online HTML

Visualization Lighting Management	1.1.0 2021. 8. 6.	pdf 2.8 MB	Download
The WAGO Lighting Management visualization is an independent, Web-based user interface for operating and monitoring the lighting management software on a lighting management controller. With its responsive design, the visualization adapts to the resolution of all devices, making it suitable for display on a desktop PC, or for tablets, smartphones and WAGO Touch Panels.			

Bid Text

Tender text Lighting Management		doc 80.4 kB	Download
Tender text for the Lighting Management software – basic functions, detailed functions, configuration			

750-8202/000-012 docx - Datei	2019. 1. 10.	docx 23.6 kB	Download
----------------------------------	--------------	-----------------	----------

750-8202/000-012 X81 - Datei	2019. 2. 19.	xml 7.9 kB	Download
---------------------------------	--------------	---------------	----------

Instruction Leaflet

Beipackzettel Applikationscontroller		pdf 425.0 kB	Download
Beipackzettel mit dem Hinweis auf den Download der Software			

Tutorial

Installation Tutorial Application Controller		mp4 30.6 MB	Download
Video on the installation of the Lighting Management software on the application controller			

Establish connection to a controller using SSH	1.0 2017. 8. 5.	mp4 29.0 MB	Download
In this video we are demonstrating how to establish a SSH connection with a controller using for example PuTTY to be able to work with the LINUX console. Contents: 0:21 Download and install the SSH client; 0:40 Establish the SSH connection; 0:50 Log on to the Controller			

Set IP address with Ethernet Settings	3.0 2017. 12. 18.	mp4 88.3 MB	Download
In this video we are demonstrating how you can set a IP address with Ethernet Settings. Content: 00:27 – Chapter #1 Download and install software; 00:56 – Chapter #2 Open Ethernet Settings; 01:10 – Chapter #3 Establish serial Connection; 01:34 – Chapter #4 Set IP address; 02:10 – Chapter #5 Check IP address			

Compatibility Information

Compatibility List DALI Sensors
Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Compatibility List DALI Sensors	V 1.2.0 2020. 9. 24.	pdf 511.7 kB	Download
---------------------------------	-------------------------	-----------------	----------

This application note shows all DALI Sensors which are compatible with CODESYS V2.3 applications, e!Cockpit applications, the WAGO Lighting Management software, the WAGO flexROOM®software and the WAGO DALI Configurator.

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
WAGO OPC UA Server	V 1.1.0 2021. 1. 28.	pdf 1.2 MB	Download

System Description

Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 780.2 kB	Download
Controller PFC100/200, General Product Information		pdf 591.2 kB	Download

Application Notes

Application Note CoDeSys 2.3

Application Note Data Plotter	2020-09-17 2020. 9. 17.	zip 6.7 MB	Download
-------------------------------	----------------------------	---------------	----------

The Data Plotter is a Web application that can be used as a visualization tool for the data logger in CODESYS V2.3 and e!COCKPIT. It allows the user to graphically display data captured by the data logger library (WAGO_Datalogger_02.lib for CODESYS V2.3 and WagoAppDatalogger for e!COCKPIT from V1.2.100.6023).

Application note for installing a MySQL-Server on a PFC-Controller	V 1.0.4 2019. 5. 16.	zip 4.5 MB	Download
--	-------------------------	---------------	----------

This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.

Application Note e!COCKPIT

Application Note Data Plotter	2020-09-17 2020. 9. 17.	zip 6.7 MB	Download
-------------------------------	----------------------------	---------------	----------

The Data Plotter is a Web application that can be used as a visualization tool for the data logger in CODESYS V2.3 and e!COCKPIT. It allows the user to graphically display data captured by the data logger library (WAGO_Datalogger_02.lib for CODESYS V2.3 and WagoAppDatalogger for e!COCKPIT from V1.2.100.6023).

eCOCKPIT application note installation MySQL-Server	2019-09-09 2019. 9. 9.	pdf 1.9 MB	Download
---	---------------------------	---------------	----------

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



This Application Note explains how a MySQL-Server can be set up and used on a PFC 200. The Application shows how measurement values of the 3-Phase Power Measurement Module can be written into a database.

Libraries

Library

WagoLibFTPS_01	V 1.15 2019. 1. 14.	zip 416.5 kB	Download
This library provides a function block for FTP and FTPS communication. FTPS supports explicit and implicit TLS encryption:			
- Explicit FTP over TLS: Client explicitly asks for TLS encryptions by issuing the command "AUTH TLS" (Described in RFC4217)			
- Implicit FTP over TLS: Client tries to establish an TLS connection immediately.			
Library WagoLibCloud_02.lib	2.2.4 2020. 1. 21.	zip 57.6 kB	Download
Die Bibliothek dient zur Kommunikation des WAGO Controller PFC100 und PFC200 mit Cloud Diensten wie Microsoft Azure (WAGO Cloud), Amazon AWS and IBM Bluemix. Daten können zur Cloud gesendet und Kommandos von der Cloud empfangen werden.			

Runtime Software

Firmware

Firmware PFC 200/100	V 19.0 2021. 8. 19.	zip 167.2 MB	Download
----------------------	------------------------	-----------------	----------

Software Solutions (Applications)

Lighting management

Lighting Management Application	2.0.1 2021. 8. 20.	zip 111.7 MB	Download
WAGO Lighting Management is a highly sophisticated solution for lighting control in large spaces such as production facilities and warehouses. Using a combination of predefined hardware and user-friendly software, WAGO offers a lighting management system that facilitates the design and commissioning of new lighting systems while providing numerous additional advantages for their operation.			

This download always provides you with the latest version of WAGO Lighting Management that we strongly recommend for new installations. When upgrading existing installations that use older versions (V1.x), we recommend that you keep using V1.2. If you have any questions, please contact WAGO Support.

CAD/CAE-Data

CAE data

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

WAGO Kontakttechnik GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



EPLAN Data Portal 750-8202/000-012	URL	Download
WSCAD Universe 750-8202/000-012	URL	Download
EPLAN Data Portal 750-8202/000-012	URL	Download
WSCAD Universe 750-8202/000-012	URL	Download
ZUKEN Portal 750-8202/000-012	URL	Download
CAD data		
2D/3D Models 750-8202/000-012	URL	Download

Device Files

Device Driver

KNX Interface Lighting Management KNX interface description for ETS	2018. 1. 29.	zip 2.1 kB	Download
--	--------------	---------------	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-8202/000-012 Controller PFC200; FG2; 2 x ETHERNET, RS-232/-485	URL	Download
--	-----	----------

Installation Notes

Product family

Controller 750
[Show all products from the family](#)

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