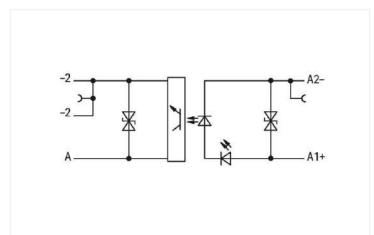
Optocoupler module; Nominal input voltage: 5 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 0.1 A; 2-wire connection; Railway; Frequency: 10 kHz; Module width: 6 mm; gray

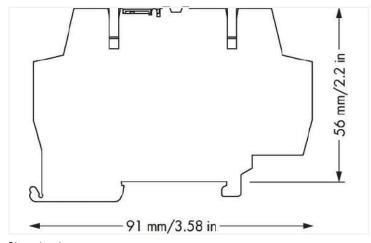


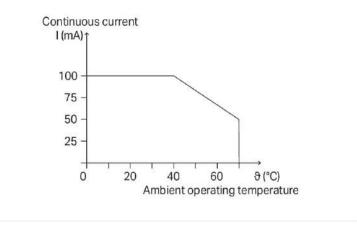
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Color: ■ gray





Dimensions in mm

Current-carrying capacity curve

Notes

Vote

Optocouplers and solid state relays are designed for use in signal processing networks that are not supplied directly by the low-voltage power supply network.

Technical data

Control circuit		Load circuit
Nominal input voltage U _N	DC 5 V	Circuit type
Input voltage range (low level)	DC 0 0.8 V	Limiting continu
Input voltage range (high level)	DC 2 6.25 V	Nominal output
Nominal input current at U_N	17 mA	Output voltage i
		Voltage drop

Load circuit	
Circuit type	2-wire connection
Limiting continuous current	0.1 A
Nominal output voltage	DC 24 V
Output voltage range	DC 3 30 V
Voltage drop	≤ 1 VDC
Leakage current at rated voltage	≤ 25 µA
Turn-on time	≤ 10 µs
Turn-off time	≤ 50 µs
Switching frequency	≤ 10 kHz

Data Sheet | Item Number: 859-795 https://www.wago.com/859-795



Signaling

Status indicator Red LED

Safety and protection	
Rated voltage	300 V
Overvoltage category	II
Pollution degree	2
Dielectric strength (control/load circuit) (AC, 1 min)	2.5 kVrms
Insulation type (control/load circuit)	Basic insulation
Insulation type (between adjacent devices of the same type)	Reinforced insulation (safe isolation)
Insulation type (to adjacent devices of different types)	Basic insulation
Protection type	IP20; in connected state or when using 859-525 end plate

Connection data	
Connection technology	CAGE CLAMP®
Solid conductor	0.08 2.5 mm ² / 28 14 AWG
Fine-stranded conductor	0.08 2.5 mm² / 28 14 AWG
Fine-stranded conductor; with insulated ferrule	0.08 1.5 mm² / 28 16 AWG
Strip length	5 6 mm / 0.2 0.24 inches

Physical data	
Width	6 mm / 0.236 inches
Height	91 mm / 3.583 inches
Depth from upper-edge of DIN-rail	56 mm / 2.205 inches

Mechanical data	
Mounting type	DIN-35 rail
Mounting position	horizontal (standing/lying); vertical

Material data		
Color	gray	
Fire load	0.338 MJ	
Weight	18.1 g	

Environmental requirements	
Ambient temperature (operation at U _N)	-40 +70 °C
Ambient temperature (storage)	-40 +70 °C
Processing temperature	-25 +50 °C
Temperature range of connection cable	≥ (T _{ambient} + 20 K)
Relative humidity	595 % (no condensation permissible)
Operating altitude (max.)	2000 m

https://www.wago.com/859-795



Standards and specifications EN 61010-2-201 EN 61000-6-3 EN 61000-6-4 EN 50121-3-2 EN 61373 UL 508

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-26-15-03
eCl@ss 9.0	27-26-15-03
ETIM 8.0	EC001504
ETIM 7.0	EC001504
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143606462
Customs tariff number	85365005000

Environmental Product Compliance	
CAS-No.	7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status	Compliant, With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Austria)	904d968e-97bd-40c6-9217-6816dc0a06fc
SCIP notification number (Belgium)	f224f726-d3de-43d1-8751-0262fe1f1da8
SCIP notification number (Bulgaria)	245eebd3-2d2c-44b9-8497-b649c2f257b0
SCIP notification number (Czech Republic)	7229742d-30af-45f8-8ff2-81e36f7ef016
SCIP notification number (Denmark)	1e849c3d-9e3a-4aa8-98de-86a109fef4c9
SCIP notification number (Finland)	c39a539e-762b-4582-b6df-daa32cc18d6e
SCIP notification number (France)	9a650c43-036a-48f1-92a9-80a3b36459c2
SCIP notification number (Germany)	b4d46a2a-331b-46fb-aa14-4846babf272b
SCIP notification number (Hungary)	5427c49a-d945-4040-8246-379666f8d6fa
SCIP notification number (Italy)	ac868591-758e-4caf-b717-d329a5537e42
SCIP notification number (Netherlands)	6c0d1e19-a6b9-4c72-9b57-b9b13dc72966
SCIP notification number (Poland)	5a2fc672-97ab-4edb-ae1f-896a18aae16a
SCIP notification number (Romania)	322ef2c9-0eea-4142-8157-274cb493ed95
SCIP notification number (Sweden)	8988cf29-708d-4e6e-ba22-c0d21927bc4c

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	UL 508	E175199 Sec.4

Declarations of conformity and manufacturer's declarations

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

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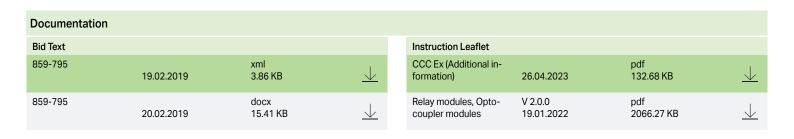


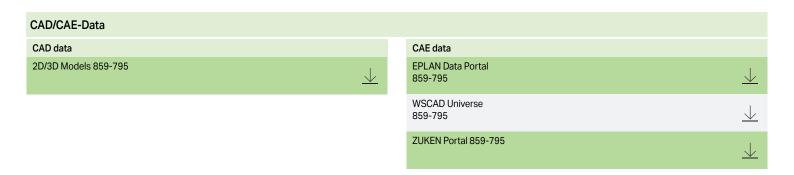
Approvals for hazardous areas



Approval	Standard	Certificate Name
CCC CNEX	CNCA-C23-01	2021312304000982 (Ex ec IIC T4 Gc)
UKEx WAGO GmbH & Co. KG	EN 60079-0	WAGO22UKEX007X_ec
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	ANSI/ISA 12.12.01	E198726

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 859-795	$\overline{\downarrow}$





https://www.wago.com/859-795



1 Compatible Products

1.1 Optional Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 859-525

End and intermediate plate; 1 mm thick; arav

1.1.1.2 Intermediate plate



Item No.: 859-525

End and intermediate plate; 1 mm thick; gray

1.1.2 Ferrule

1.1.2.1 Ferrule



Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-223

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-224

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-221

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

Item No.: 216-222

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

1.1.3 Jumper

1.1.3.1 Jumper





Jumper; for jumper slot; 10-way; insulated: blue



Item No.: 859-402/000-006

Jumper; for jumper slot; 2-way; insulated; blue



Item No.: 859-403/000-006

Jumper; for jumper slot; 3-way; insulated; blue



Item No.: 859-404/000-006

Jumper; for jumper slot; 4-way; insulated; blue

Item No.: 859-410

Jumper; for jumper slot; 10-way; insulated; light gray





Item No.: 859-402

Item No.: 859-404

light gray

Jumper; for jumper slot; 2-way; insulated; light gray



Item No.: 859-402/000-005

Jumper; for jumper slot; 2-way; insulated;

Item No.: 859-410/000-005

ted: red

red



Jumper; for jumper slot; 10-way; insula-

Item No.: 859-402/000-029

Item No.: 859-410/000-029

ted; yellow

Jumper; for jumper slot; 2-way; insulated; yellow

Jumper; for jumper slot; 10-way; insula-



Item No.: 859-403

Jumper; for jumper slot; 3-way; insulated; light gray

Jumper; for jumper slot; 4-way; insulated;



Item No.: 859-403/000-005

Jumper; for jumper slot; 3-way; insulated; red



Item No.: 859-403/000-029

Jumper; for jumper slot; 3-way; insulated; yellow



Item No.: 859-404/000-005

Jumper; for jumper slot; 4-way; insulated; red



Item No.: 859-404/000-029

Jumper; for jumper slot; 4-way; insulated; yellow

https://www.wago.com/859-795



1.1.3.1 Jumper



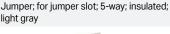






Item No.: 859-405/000-006

Jumper; for jumper slot; 5-way; insulated; blue



Item No.: 859-405/000-005

Jumper; for jumper slot; 5-way; insulated;

Item No.: 859-405/000-029

Jumper; for jumper slot; 5-way; insulated; yellow





Item No.: 859-406/000-006

Jumper; for jumper slot; 6-way; insulated;

Item No.: 859-406

Item No.: 859-405

light gray

Jumper; for jumper slot; 6-way; insulated; light gray

Item No.: 859-406/000-005

Jumper; for jumper slot; 6-way; insulated;

Item No.: 859-406/000-029

Jumper; for jumper slot; 6-way; insulated; signal yellow



Jumper; for jumper slot; 7-way; insulated;

Jumper; for jumper slot; 7-way; insulated;

Item No.: 859-407/000-005 Jumper; for jumper slot; 7-way; insulated;

Item No.: 859-407/000-029 Jumper; for jumper slot; 7-way; insulated; yellow



Item No.: 859-407/000-006

Item No.: 859-408/000-006 Jumper; for jumper slot; 8-way; insulated;



Item No.: 859-407

light gray

Jumper; for jumper slot; 8-way; insulated; light gray

Item No.: 859-408/000-005

Jumper; for jumper slot; 8-way; insulated;

Item No.: 859-408/000-029 Jumper; for jumper slot; 8-way; insulated;



Item No.: 859-409/000-006

Jumper; for jumper slot; 9-way; insulated;

Item No.: 859-409

Jumper; for jumper slot; 9-way; insulated; light gray

Item No.: 859-409/000-005

Jumper; for jumper slot; 9-way; insulated;

Item No.: 859-409/000-029

Jumper; for jumper slot; 9-way; insulated;

1.1.4 Marking

1.1.4.1 Marker



Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 248-502

Mini-WSB marking card; as card; MAR-KED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 248-503

Mini-WSB marking card; as card; MAR-KED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 248-504

Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-506

Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.4.2 Marking device



Item No.: 210-110 Fiber-tip pen

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https://www.wago.com/859-795



1.1.5 Test and measurement

1.1.5.1 Testing accessories



<u>Item No.: 859-500</u>

WAGO Test pin; 1 mm $\not O$; 30 V AC / 60 V DC; CATO; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm²

1.1.6 Tool

1.1.6.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Conductor termination

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System

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

Current addresses can be found at:: $\underline{www.wago.com}$

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