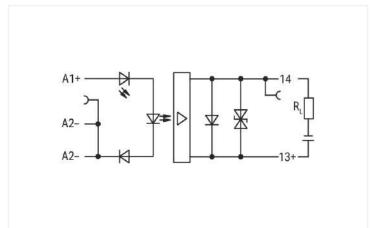
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 5 A; 2-wire connection; Module width: 6 mm; gray

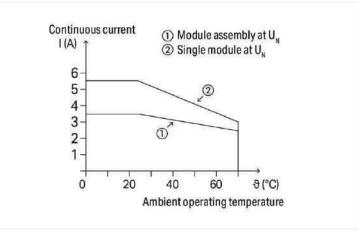


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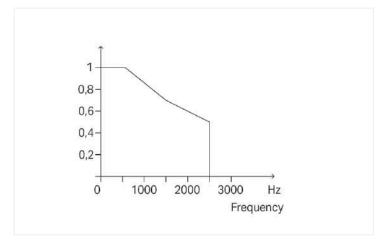


91 mm/3.58 in



Dimensions in mm

Current-carrying capacity curve



Load current correction factor

Data Sheet | Item Number: 859-740 https://www.wago.com/859-740



Notes

Note

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

-on contacts 1
2-wire connection
rent 5.5 A
25 A
DC 24 V
DC 3 30 V
≤ 0.4 VDC
d voltage ≤ 10 μA
≤ 30 µs
≤ 100 µs
16 µs
16 µs
≤ 2.5 kHz
•

Signaling	
Status indicator	Yellow 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	0.2 2.5 mm² / 24 14 AWG	
Fine-stranded conductor	0.2 2.5 mm² / 24 14 AWG	
Fine-stranded conductor; with insulated ferrule	0.2 1.5 mm² / 24 16 AWG	
Fine-stranded conductor; with uninsulated ferrule	0.2 1.5 mm² / 24 16 AWG	
Strip length	5 6 mm / 0.2 0.24 inches	

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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
 0.443 MJ

 Weight
 18.5 g

Environmental requirements

Ambient temperature (operation at U_N)

Ambient temperature UL (operation at U_N)

Ambient temperature (storage)

Processing temperature

Temperature range of connection cable

Relative humidity

Operating altitude (max.)

Ambient temperature (storage)

-40 ... +85 °C

Standards and specifications

 Standards/specifications
 EN 61010-2-201

 EN 61000-6-2
 EN 61000-6-3

Commercial data

6 (INTERFACE ELECTRONIC) **Product Group** 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 Box Packaging type Country of origin CN **GTIN** 4055143605427 Customs tariff number 85365005000

Environmental Product Compliance

RoHS Compliance Status Compliant,No Exemption

Approvals / Certificates

https://www.wago.com/859-740



General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19
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	-	-

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 859-740

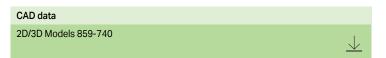


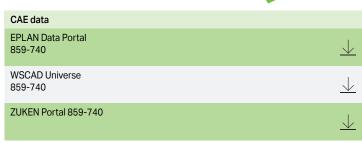
Documentation							
Bid Text				Instruction Leaflet			
859-740	19.02.2019	xml 3.77 KB	<u>↓</u>	CCC Ex (Additional information)	26.04.2023	pdf 132.68 KB	<u>↓</u>
859-740	20.02.2019	docx 15.30 KB	$\overline{\downarrow}$	Relay modules, Opto- coupler modules	V 2.0.0 19.01.2022	pdf 2066.27 KB	\perp

CAD/CAE-Data

https://www.wago.com/859-740







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;

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; in-

sulated; electro-tin plated; yellow

Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insu-

Item No.: 216-322

Item No.: 216-224

Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-



sulated; electro-tin plated; light turquoise

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

Ferrule; Sleeve for 1.5 mm² / AWG 16; inlated; electro-tin plated; red sulated; electro-tin plated; black

1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 859-410/000-006

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



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



Item No.: 859-410/000-005

Jumper; for jumper slot; 10-way; insulated; red



Item No.: 859-410/000-029

Jumper; for jumper slot; 10-way; insulated; yellow



Item No.: 859-402/000-006

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

Item No.: 859-402

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

Item No.: 859-402/000-005

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



Item No.: 859-402/000-029 Jumper; for jumper slot; 2-way; insulated; yellow

https://www.wago.com/859-740



1.1.3.1 Jumper

blue





Item No.: 859-403 Jumper; for jumper slot; 3-way; insulated; light gray

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



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

Item No.: 859-404/000-006

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

Item No.: 859-404 Jumper; for jumper slot; 4-way; insulated; light gray

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

Item No.: 859-404/000-005

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

Item No.: 859-404/000-029

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



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

Item No.: 859-407/000-006

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

Item No.: 859-407 Jumper; for jumper slot; 7-way; insulated; light gray

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.: 859-408/000-006

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

Item No.: 859-408

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; yellow

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 marking card; as card; MAR-

Item No.: 248-503

Mini-WSB marking card; as card; MAR-KED; 11 ... 20 (10x); not stretchable; Hori-

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

Item No.: 248-502

KED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

zontal 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 devices



Item No.: 210-110 Fiber-tip pen

1.1.5 Test and measurement

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https://www.wago.com/859-740



1.1.5.1 Testing accessories



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

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to $0.5 \, \text{mm}^2$

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

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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

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