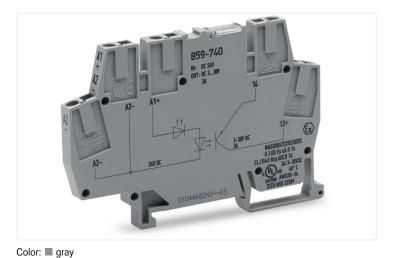
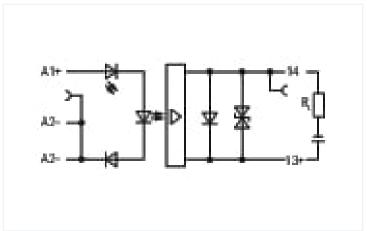
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: $3\dots30$ VDC; Limiting continuous current: 5 A; 2-wire connection; Module width: 6 mm; gray

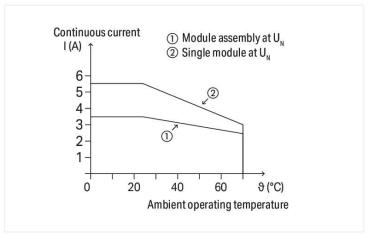


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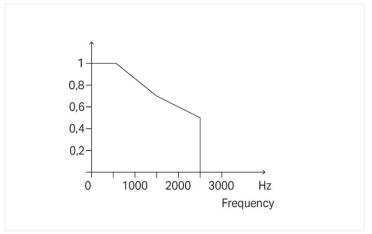


91 mm/3.58 in



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
	that are not supplied directly by the low-voltage power supply network.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U _N	DC 24 V	Number of make/switch-on contacts	1
Input voltage range (low level)	DC 0 6.5 V	Circuit type	2-wire connection
Input voltage range (high level)	DC 16 30 V	Limiting continuous current	5.5 A
Nominal input current at U _N	8 mA	Peak output current	25 A
Input current range	1 12 mA	Nominal output voltage	DC 24 V
		Output voltage range	DC 3 30 V
		Voltage drop	≤ 0.4 VDC
		Leakage current at rated voltage	≤ 10 µA
		Turn-on time	≤ 30 µs
		Turn-off time	≤ 100 µs
		Rise time (t ₁₀₋₉₀)	16 µs
		Drop-out time (t ₉₀₋₁₀)	16 µs
		Switching frequency	≤ 2.5 kHz

Signaling	
Status indicator	Yellow LED

Safety and protection	
Rated Voltage	300 V
Overvoltage category	
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 mm ² / 24 14 AWG
Fine-stranded conductor	0.2 2.5 mm² / 24 14 AWG
Fine-stranded conductor; with insulated ferrule	0.2 1.5 mm ² / 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

Note (material data)

Information on material specifications can be found here

Color gray

Insulation material (main housing) Polyamide (PA66)

Material groupIFlammability class per UL94V0Fire load0.443 MJWeight18.5 g

Environmental requirements

Relative humidity 5 ... 95 % (no condensation permissible)

Operating altitude (max.) 2000 m

Standards and specifications

Standards/specifications EN 61010-2-201 EN 61000-6-2

EN 61000-6-3

Commercial data

Product Group 6 (INTERFACE ELECTRONIC) eCl@ss 10.0 27-26-15-03 eCl@ss 9.0 27-26-15-03 ETIM 9.0 EC001504 **ETIM 8.0** EC001504 PU (SPU) 10 pcs Box Packaging type Country of origin CN **GTIN** 4055143605427 85365005000 Customs tariff number

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Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

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	-	-

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**

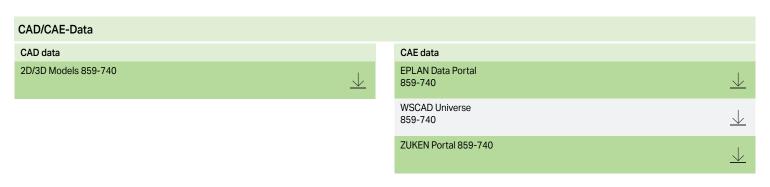
Compliance 859-740

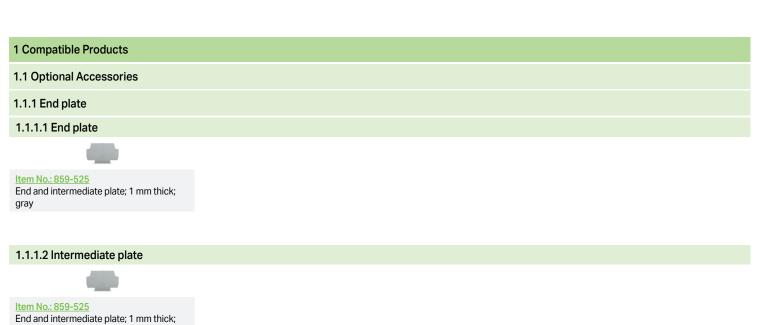


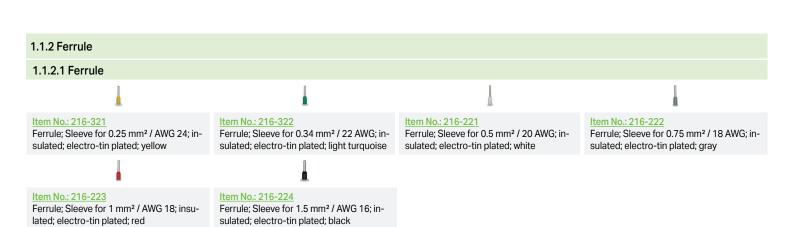
Documentation **Bid Text** Instruction Leaflet 859-740 CCC Ex (Additional in-3.77 KB 19.02.2019 26.04.2023 . 132.68 KB formation) 859-740 docx Relay modules, Opto-V 2.0.0 pdf 20.02.2019 coupler modules 19.01.2022 2066.27 KB 15.30 KB

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1.1.3 Jumper

1.1.3.1 Jumper



Item No.: 859-410/000-006

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



Item No.: 859-410

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



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

Item No.: 859-402/000-029

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



Item No.: 859-403/000-006

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



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

Item No.: 859-403/000-005

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

Item No.: 859-403/000-029

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



Item No.: 859-404/000-006

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

Item No.: 859-404

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

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



Item No.: 859-405/000-006

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

Item No.: 859-405

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

Item No.: 859-405/000-005

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

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; blue

Item No.: 859-406

Item No.: 859-407

Item No.: 859-408

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

Item No.: 859-406/000-005

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

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



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

Item No.: 859-407/000-005

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

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; blue



Item No.: 859-408/000-005

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

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



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

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

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

yellow



Item No.: 859-409/000-006

Item No.: 859-409

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

Item No.: 859-409/000-005

Item No.: 859-409/000-029

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

1.1.4 Marking

1.1.4.1 Marker



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; 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

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1.1.4.2 Marking device



Item No.: 210-110 Fiber-tip pen

1.1.5 Test and measurement

1.1.5.1 Testing accessories



Item No.: 859-500

WAGO Test pin; 1 mm Ø; 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

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Marking



Marking via Mini-WSB Quick Marking System

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