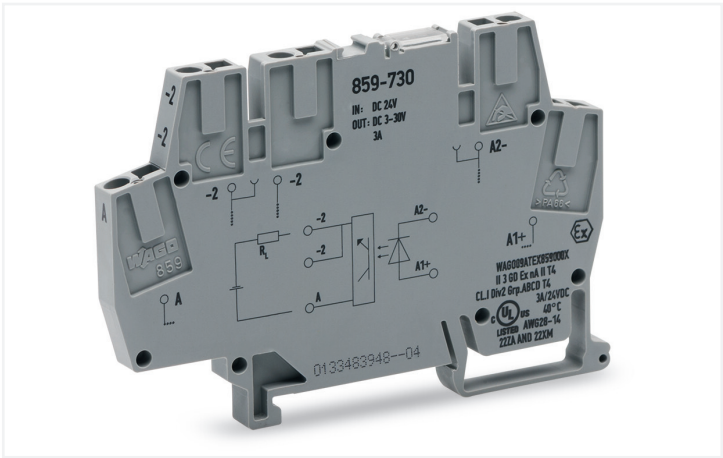


Data Sheet | Item Number: 859-730

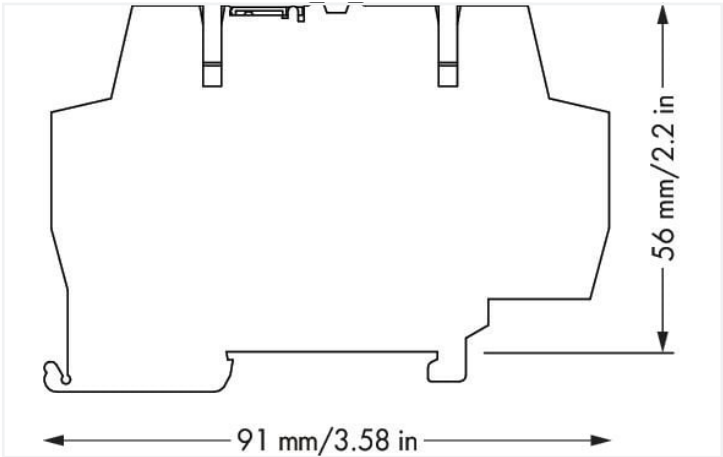
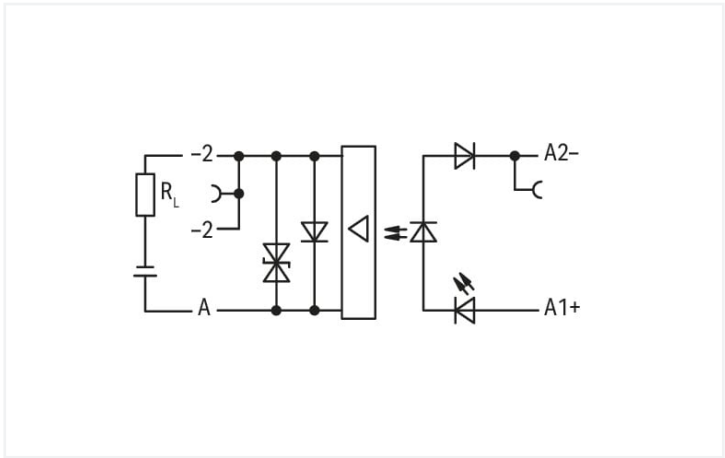
Optocoupler module; Nominal input voltage: 24 VDC; Output voltage range: 3 ... 30 VDC; Limiting continuous current: 3 A; 2-wire connection; Module width: 6 mm; gray



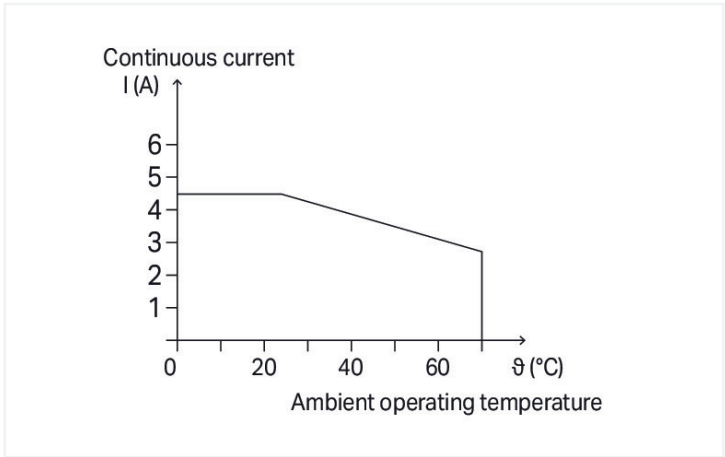
<https://www.wago.com/859-730>



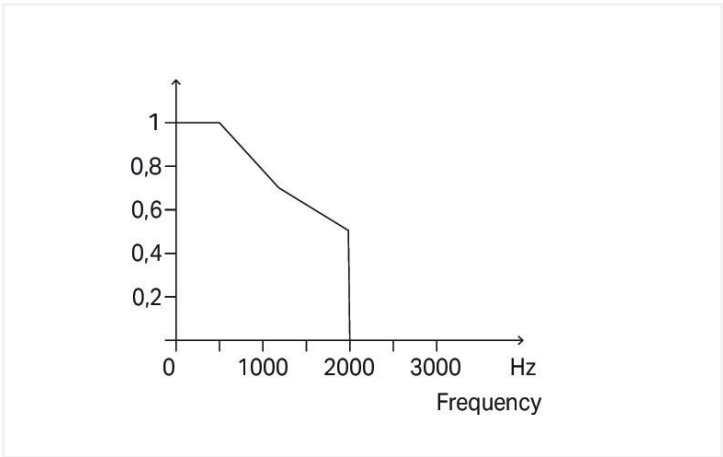
Color: ■ gray



Dimensions in mm



Current-carrying capacity curve



Load current correction factor



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.

Technical data			
Control circuit		Load circuit	
Nominal input voltage U _N	DC 24 V	Circuit type	2-wire connection
Input voltage range (low level)	DC 0 ... 7.5 V	Limiting continuous current	4.8 A
Input voltage range (high level)	DC 12.5 ... 30 V	Peak output current	25 A
Nominal input current at U _N	15 mA	Nominal output voltage	DC 24 V
		Output voltage range	DC 3 ... 30 V
		Voltage drop	≤ 0.4 VDC
		Leakage current at rated voltage	≤ 45 µA
		Turn-on time	≤ 20 µs
		Turn-off time	≤ 1 ms
		Rise time (t ₁₀₋₉₀)	12 µs
		Drop-out time (t ₉₀₋₁₀)	15 µs
		Switching frequency	≤ 2.3 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	0.08 ... 1.5 mm² / 28 ... 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.2 ... 1.5 mm² / 24 ... 14 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		18.5 g

Environmental requirements		
Ambient temperature (operation at U _N)		-40 ... +70 °C
Ambient temperature UL (operation at U _N)		-40 ... +40 °C
Ambient temperature (storage)		-40 ... +70 °C
Processing temperature		-25 ... +50 °C
Temperature range of connection cable		≥ (T _{ambient} + 20 K)
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 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		CN
GTIN		4055143604987
Customs tariff number		85365005000

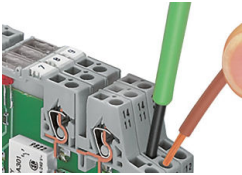
Environmental Product Compliance		
CAS-No.		7439-92-1 79-94-7
REACH Candidate List Substance		2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Lead
RoHS Compliance Status		Compliant,With Exemption
RoHS Exemption		7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)		6556ad7b-5a4b-4263-9337-83906050ae4b
SCIP notification number (Belgium)		e660b4a5-a966-4c82-9feb-1b133db827e4
SCIP notification number (Bulgaria)		e4cf23dc-19f9-4ecc-9569-934b08d84818
SCIP notification number (Czech Republic)		83c7edbd-635b-4061-81af-325616a91c6a



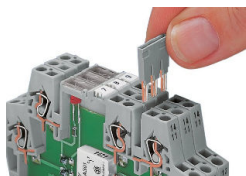
Environmental Product Compliance	
SCIP notification number (Denmark)	72941adf-b006-4c18-8519-1483302531e1
SCIP notification number (Finland)	7dc2413a-6773-4d8b-b5c9-8709a114d7e0
SCIP notification number (France)	76724e1c-686b-460e-bbf0-7d3cbb08ecd4
SCIP notification number (Germany)	9f4d9de4-780e-4359-8665-9cdd5198d414
SCIP notification number (Hungary)	61ec0ba0-0ed8-43fb-b3b6-6dc51b9f3b3b
SCIP notification number (Italy)	93c82f6e-f5f4-4662-a911-3807be285765
SCIP notification number (Netherlands)	06241b6c-7650-4848-b248-6c55f36e2645
SCIP notification number (Poland)	bcffc90f-ec1b-40ab-930c-8c6634d1e259
SCIP notification number (Romania)	e521904f-d719-43f4-80bc-4c2fee4e67d9
SCIP notification number (Sweden)	ae12280c-c32a-470f-9d04-fa5d360e9bf5

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
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

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

Installation Notes	
Conductor termination	
	
Conductor termination	

Commoning



Easy commoning using adjacent jumpers

Marking



Marking via Mini-WSB Quick Marking System