

Industrial Ethernet IE-MC-SC-SM-WAVE

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



If high interference immunity is needed or long transmission distances are involved, then fibre-optic cables are advisable. One simple and inexpensive solution is the Weidmüller media converter, which can convert an RJ45 port to an optical port with an SC or ST glass fibre connection.

The power supply can be designed with redundancy, which means you get a high level of protection against failures. The conversion of RJ45 copper ports to SC or ST fibre-optic ports can be set to transparent. The Industrial Ethernet media converter is a solution for industrial applications that demand an exchange of data between copper and glass-fibre media that is robust and immune to interference. Media converters are inexpensive devices and offer the chance to integrate glass fibres into a network. Weidmüller media converters are real-time-compatible and remain transparent in the network.

General ordering data

Order No.	8916290000
Type	IE-MC-SC-SM-WAVE
Version	Media converter, IP 20, Number of ports: 1x RJ45 MDI, 1x RJ45 MDI-X, 1x SC-SM, Singlemode
GTIN (EAN)	4032248674909
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	108 mm	Width	22.5 mm
Height	127.8 mm	Net weight	338 g

Industrial Ethernet

AC input power	4 VA AC	DC input power	4 Watt DC
Standard	IEEE 802.3; 802.3u; 802.3x; Class I, Division 2	Segment length	Copper 100 m; fibre (multi-mode) 2 km; fibre (single-mode) 20/60 km
Type of mounting	TS 35	Storage temperature, min.	-40 °C
Storage temperature, max.	85 °C	Status indication	Connection/Activity, Power/data rate
Number of ports	1x RJ45 MDI, 1x RJ45 MDI-X, 1x SC-SM	Input voltage AC, min.	10 V
Input voltage AC, max.	24 V	Input voltage DC, min.	35 V
Input voltage DC, max.	10 V	Input frequency	47 - 63 Hz
Version	Autonegotiation	Protection degree	IP 20

Technical data

Version	Autonegotiation	Operating temperature, min.	0 °C
Operating temperature, max.	60 °C	Optical budget	8 dB for 62.5/125 µm multimode cable 4 dB for 50/125 µm multimode cable
Protection degree	IP 20		

Classifications

ETIM 3.0	EC001467	UNSPSC	43-17-27-10
eClass 5.1	27-25-05-04	eClass 6.0	27-25-05-04
eClass 7.0	27-25-05-04		

Approvals

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