

**Industrial Ethernet
IE-PS-RJ45-FH-BK-P****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



RJ45 plug-in connector (tool-less) according to IEC
60603-7-51 for wire outer diameters up to 1.6 mm

General ordering data

Type	IE-PS-RJ45-FH-BK-P
Order No.	1132060000
Version	RJ45 IDC plug, Cat.5 (ISO/IEC 11801), 4-core, PROFINET
GTIN (EAN)	4032248912162
Qty.	10 pc(s).

Industrial Ethernet
IE-PS-RJ45-FH-BK-P

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

Net weight	20 g
------------	------

Temperatures

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Operating temperature	-40 °C...70 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

General data

Fire load	77 kJ	Halogen	No
Connection 1	RJ45	Connection 2	IDC
Wiring	4-core, PROFINET	Housing main material	Zinc diecast
Speed	10 GBit/s	Insulation cross-section, min.	0.85 mm
Insulation cross-section, max.	1.6 mm	Category	Cat.5 (ISO/IEC 11801)
Contact material	Phosphorus bronze	Contact surface	Gold over nickel
Connection diameter, solid	0.41...0.64 mm	Conductor connection cross-section, solid (AWG)	AWG 26/1...AWG 22/1
Wire cross-section, solid, min.	0.128 mm ²	Wire cross-section, solid, max.	0.324 mm ²
Conductor connection cross-section, solid	0.13...0.32 mm ²	Connection diameter, flexible	0.48...0.76 mm
Conductor connection cross-section, flexible (AWG)	AWG 26/7...AWG 22/7	Wire connection cross-section, finely stranded, min.	0.141 mm ²
Wire connection cross section, finely stranded, max.	0.355 mm ²	Conductor connection cross-section, flexible	0.14...0.35 mm ²
Conductor connection cross-section, extremely flexible	, Approval of the cable by Weidmüller necessary	Conductor connection cross-section, extremely flexible (AWG)	, Approval of the cable by Weidmüller necessary
MICE classification M	M ₁	MICE classification I	I ₁
MICE classification C	C ₁	MICE classification E	E ₃
Sheath diameter, min.	5.5 mm	Sheath diameter, max.	8.5 mm
Shielding	360° all-round enclosure	Protection degree	IP20
Insertion force	≤ 30 N	Plugging cycles	750
Material insulator	PA UL94-V0	Ability to reconnect	≥ 10 cycles (for the same or larger cross-section)

Electrical properties

Contact resistance	≤ 20 mΩ	Current-carrying capacity at 50 °C	1 A
Dielectric strength, contact / contact	≥ 1000 V DC	Dielectric strength, contact / shield	≥ 1500 V DC
Insulation strength	> 500 MΩ	PoE / PoE+	conforming to IEEE 802.3at

General standards

Certificate no. (cULus)	E316369	Connector standard	IEC 60603-7-5.1
IP protection classes	IEC 60529	UL standard for communication accessories	UL 1863

**Industrial Ethernet
IE-PS-RJ45-FH-BK-P**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data**Classifications**

ETIM 6.0	EC001121	ETIM 7.0	EC001121
eClass 9.0	27-44-03-90	eClass 9.1	27-44-03-90
eClass 10.0	27-44-03-90		

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DUXR.E316369 CC-Link IE-PS-RJ45-FH-BK PROFINET Manufacturer's Declaration
Brochure/Catalogue	CAT 9 IETH 18/19 EN MB FREECONTACT EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
Engineering Data	STEP
Product Change Notification	TI_20171120_RJ45PN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN Manual

Industrial Ethernet IE-PS-RJ45-FH-BK-P

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Printing



Dimensioned drawing

