

IE-CDR-V14MRJ/VAPM-C**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

FreeCon Active PROFINET repeater for PushPull Var.14
plug-in connectors according to IEC 61076-3-117 and
PushPull Power according to the PROFINET specification

General ordering data

Version	PROFINET copper repeater, FreeCon, IP65
Order No.	2581810000
Type	IE-CDR-V14MRJ/VAPM-C
GTIN (EAN)	4050118590869
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	53 mm	Depth (inches)	2.087 inch
Width	100 mm	Width (inches)	3.937 inch
Length	130.4 mm	Length (inches)	5.134 inch
Net weight	661.8 g		

Temperatures

Operating temperature	-20 °C...55 °C
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General data

Data interface	PROFINET PushPull RJ45 (V14)	Housing main material	Aluminium profile, Cover: die-cast zinc, electroplated
Power interface	PROFINET PushPull Power	Protection degree	IP65
Type of mounting	4 screws	UL 94 flammability rating	V-0

Electrical properties

Baud rate	100 MBit/s	Current consumption	100 mA
LED indicator	ACT1: activity Port1, ACT2: activity Port2, SF: general error, BF: bus error, US1: voltage 1 (electronics), US2: voltage 2, LNK1: port active, LNK2: port active	Operating voltage	24 V
Operational voltage range	18...30 V DC	Protocol	PROFINET IRT
Voltage type	DC		

General standards

Certificate no. (cULus)	E141197	Connector standard	IEC 61076-3-117 Var. 14
Network standard	IEC 61158, IEC 61784	PROFINET specification	Conformance Class C acc. V2.3

Classifications

ETIM 6.0	EC000732	ETIM 7.0	EC000732
ETIM 8.0	EC000732	ETIM 9.0	EC000732
ETIM 10.0	EC000732	ECLASS 9.0	19-17-02-06
ECLASS 9.1	19-17-01-25	ECLASS 10.0	19-17-02-06
ECLASS 11.0	19-17-02-06	ECLASS 12.0	19-17-02-06
ECLASS 13.0	19-17-02-06	ECLASS 14.0	19-17-02-06
ECLASS 15.0	19-17-02-06		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

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Technical data

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Certificate
Engineering Data	CAD data – STEP
Product Change Notification	FreeCon Active Repeater FreeCon Active Repeater Technical change to FreeCon Active Cu Repeater Technische Änderung zu FreeCon Active CU Repeater
Software	Runtime Software – CFG configurator - Weidmueller FreeCon Device description – GSDML 2.35 COP Firmware – Firmware ABCC COP
User Documentation	Handbuch_FreeCon_Active_V1_0_de Handbuch_FreeCon_Active_V1_0_en
Catalogues	Catalogues in PDF-format

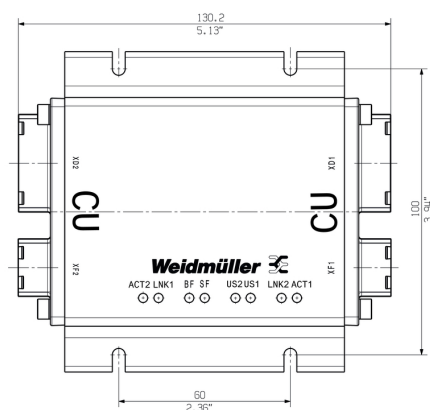
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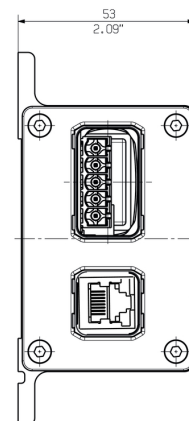
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Drawings

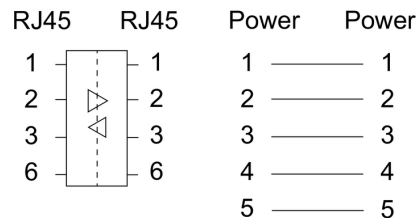
Dimensioned drawing



Dimensioned drawing



Wiring diagram



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Accessories**Sets - RJ45**

PushPull plug-in connector set according to IEC
61076-3-117 ver.14 (PROFINET), metal incl. RJ45 insert

General ordering data

Type	IE-PS-V14M-RJ45-FH-P	Version
Order No.	1012170000	Plug insert RJ45 tool-free, Variant 14 metal, Cat.5 (ISO/IEC 11801)
GTIN (EAN)	4032248719815	
Qty.	10 pc(s).	

Sets

PushPull Power plug-in connector according to PROFINET
specification

General ordering data

Type	IE-PS-VAPM-5P-2.5	Version
Order No.	2465440000	Power connector, Plug, PROFINET, Set of connectors
GTIN (EAN)	4050118522136	
Qty.	1 pc(s).	