



MAC00-EP4

Profinet module M12 connectors

MAC00 modules are control- and -interface modules for the MAC motor series of integrated (all-in-one) servo motors with shaft power from 46 W to 4500 W.

Choose between a wide range of control modules

- Ethernet modules support all protocols: Profinet, EtherNet/IP, EtherCAT, SERCOS, Powerlink and ModbusTCP/UDP
- Ethernet modules have built-in Switch for easy daisy-chaining of cables from motor-to-motor
- Wireless modules: WLAN or BlueTooth
- CANopen, Devicenet or Profibus or ePLC modules
- Serial communication modules, RS232 and/or RS485

Unique Ethernet functionality: use MacTalk (PC software) to change freely between all the different Ethernet protocols, you dont need several different types on stock ã ONE is enough.



General information

Description	Profinet module M12 connectors, Profinet module M12 (G2) IP67, 2IO 1AI RS232. Expansion Module for MAC motor®. RS232 (not 485) 8pF ! ONLY for MAC400..4500 & MAC140-F (+ MACxxx-A1AAAA-A009)		
Manufacture	JVL	For motor type	MAC
Color	Black	Protection house	IP67
Software	MacTalk	Interface	RS232
Connectivity - Busses	Profinet		
Control voltage (CVI/O+) [VDC]	12-28	Main supply [V]	12-48
Expansion connector	Generation 2		
Integrated PLC	No	PLC no. of DI	1
PLC no. of AIN		PLC no. of DO	1
Multifunction IOs		PLC no. of DIO	n/a



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Mechanical information

Customer Sealing

Datasheet - pdf

ld0102gb.pdf



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Connector information

Expansion connector Generation 2

Motor connectors



Connector 1 label	PWR	Connector 1	M12 5-pin male A-coded
Connector 2 label	IO	Connector 2	M12 8-pin female A-coded
Connector 3 label	LA OUT	Connector 3	M12 4-pin female D-coded Ethernet
Connector 4 label	LA IN	Connector 4	M12 4-pin female D-coded Ethernet
Connector 2 RS232	Yes	Connector 2 RS485	n/a
Connector 3 RS232	n/a	Connector 3 RS485	n/a
Connector 4 RS232	n/a	Connector 4 RS485	n/a

Picture CN1

"PWR" - Power input. M12 - 5pin male connector				
Signal name	Description	Pin no.	JVL Cable W11000-M12F5T05N	Isolation group
P+	Main supply - Connect with pin 2 * When installed in MAC050 to 141 = 12-48VDC When installed in MAC400-4500 = 18-30VDC	1	Brown	1
P+	Main supply - Connect with pin 1 *	2	White	1
P-	Main supply ground. Connect with pin 5 *	3	Blue	1
CVI	Control supply nominal +12-48VDC. DO NOT connect >50V to this terminal ! A small leakage current may exist on this pin if not used. Connect this terminal to ground if not used.	4	Black	1
P-	Main supply ground. Connect with pin 3 *	5	Grey	1

* Note: P+ and P- are each available at 2 terminals. Make sure that both terminals are connected in order to split the supply current in 2 terminals and thereby avoid an overload of the connector.

Picture CN2

"I/O" - I/O's and interface. M12 - 8pin female connector.				
Signal name	Description	Pin no.	JVL Cable W11000-M12M8T05N	Isolation group (See note)
O1	Output 1 - PNP/Sourcing output	1	White	2
RS232: TX	RS232 interface, Transmit terminal Leave open if unused.	2	Brown	1
RS232: RX	RS232 interface, Receive terminal Leave open if unused.	3	Green	1
GND	Interface ground to be used together with the other signals in this connector. Also ground for the analogue input (AIN1 - pin 5)	4	Yellow	1
AIN1	Analogue input1 ±10V or used for zero search	5	Grey	1
IN1	Digital input 1 - 12-32V tolerant.	6	Pink	2
IO-	I/O ground to be used with the I/O terminals O1 and IN1.	7	Blue	2
O+	Positive supply input to the output circuitry. Connect 5-32VDC to this terminal if using the O1 output.	8	Red	2



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Connector information

Picture CN3

"L/A OUT" - Ethernet port connector. M12 - 4 pin female connector "D" coded				
Signal name	Description	Pin no.	JVL Cable WI1046-M12M4S05R	Isolation group (see note)
Tx1_P	Ethernet Transmit channel 1 - positive terminal	1	Brown/White	4
Rx1_P	Ethernet Receive channel 1 - positive terminal	2	Blue/White	4
Tx1_N	Ethernet Transmit channel 1 - negative terminal	3	Brown	4
Rx1_N	Ethernet Receive channel 1 - negative terminal	4	Blue	4
Shield	Outside shield connected to connector housing	Housing	Shield	1

Picture CN4

"L/A IN" - Ethernet port connector - M12 - 4pin female connector "D" coded				
Signal name	Description	Pin no.	JVL Cable WI1046-M12M4S05R	Isolation group (See note)
Tx0_P	Ethernet Transmit channel 0 - positive terminal	1	Brown/White	3
Rx0_P	Ethernet Receive channel 0 - positive terminal	2	Blue/White	3
Tx0_N	Ethernet Transmit channel 0 - negative terminal	3	Brown	3
Rx0_N	Ethernet Receive channel 0 - negative terminal	4	Blue	3
Shield	Outside shield connected to connector housing	Housing	Shield	1



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Electrical information

Control voltage (CVI/O+) [VDC]	12-28	Control Voltage (CVI) Min-Max [VDC]	
Max current CVI [A]			
Main supply [V]	12-48	Main supply Min-Max [V]	10-50
Rated Winding current [A]		P- isolated from Earth	
		PLC no. of DI	1
Dig. Input impedans	10kohm	PLC no. of DO	1
PLC DO max current [mA]	15mA - PNP	PLC no. of DIO	n/a
		PLC no. of AIN	
PLC AIN voltage [VDC]	-10 to +10	PLC AIN Min-Max [VDC]	-10 to +32
PLC AIN Max Tol. [%]	5.0	Multifunction IOs	
PLC MF low level [VDC]		PLC MF high level [VDC]	
PLC MF Max level [VDC]		MTBF 30% [Year]	
MTBF 100% [Year]			



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Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
WI1000-M12F5T02N M12 Shl Cable 2m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	2 No
WI1000-M12F5T05N M12 Shl Cable 5m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	5 No
WI1000-M12F5T1.2N M12 Shl Cable 1.2m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	1.2 No
WI1000-M12F5T10N M12 Shl Cable 10m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	10 No
WI1000-M12F5T10R M12 Shl Cable 10m 5 pin Fem 0°, Power, High-flex	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Robotic - 3D	5 0.32	10 No
WI1000-M12F5T20N M12 Shl Cable 20m 5 pin Fem 0°, Power	Connector 1	M12 5-pin female A-coded - 0° Straight Open Ended - n/a	Power/Motor/com Standard	5 0.32	20 No
WI1000-M12F5TLT0185 M12 shl Cable 3m 5 pin female 0°,PW SPEC	Connector 1	M12 5-pin female A-coded - 0° Straight - n/a	Power Standard	5 0.32	3 No
WI1000-M12F5V05N M12 Shl Cable 5m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	5 No
WI1000-M12F5V10N M12 Shl Cable 10 m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	10 No
WI1000-M12F5V20N M12 Shl Cable 20m 5 pin Fem 90°, Power	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power/Motor/com Standard	5 0.32	20 No
WI1000-M12F5W05N M12 Shl Cable 5m LED 5p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power 24/48 Standard	5 0.32	5 LED
WI1000-M12F5W10N M12 Shl Cable 10m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power 24/48 Standard	5 0.32	10 LED
WI1000-M12F5W15N M12 Shl Cable 15m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power 24/48 Standard	5 0.32	15 LED
WI1000-M12F5W20N M12 Shl Cable 20m LED 5 p Fem 90°, Power <50V	Connector 1	M12 5-pin female A-coded - 90° Angled Open Ended - n/a	Power 24/48 Standard	5 0.32	20 LED
WI1000-M12F5WF5W20N M12 shl cab 20m LED 5 pin female 90',Pow <50V	Connector 1	M12 5-pin female A-coded - 90° Angled M12 5-pin female A-coded - 90° Angled	Power 24/48 Standard	5 0.32	20 LED
WI1008-M12F5SS1 M12 Con 5p Fem 0° Solder assembly	Connector 1	M12 5-pin female A-coded - 0° Straight - n/a	n/a	n/a	Connector No
WI1008-M12F5TG1 M12 Con 5p Fem 0° Spring Shield+B222	Connector 1	M12 5-pin female A-coded - 0° Straight - n/a	n/a	n/a	Connector No
WI1008-M12F5VG1 M12 Con 5p Fem 90° Spring Shield	Connector 1	M12 5-pin female A-coded - 90° Angled - n/a	n/a	n/a	Connector No
WI1000-M12M8T02N M12 Shl Cable 2m 8 p Male 0° COM1/Ext IO	Connector 2	M12 8-pin male A-coded - 0° Straight Open Ended - n/a	Basic I/O, Com Standard	8 0.32	2 No
WI1000-M12M8T05N M12 Shl Cable 5m 8 p Male 0° COM1/Ext IO	Connector 2	M12 8-pin male A-coded - 0° Straight Open Ended - n/a	Basic I/O, Com Standard	8 0.32	5 No
WI1000-M12M8T20N M12 Shl Cable 20m 8 p Male 0° COM1/ExtIO	Connector 2	M12 8-pin male A-coded - 0° Straight Open Ended - n/a	Basic I/O, Com Standard	8 0.32	20 No
WI1000-M12M8TF4LT186 M12 shl cable5m, M12 M8, M8 F4 0° IO	Connector 2	M12 8-pin male A-coded - 0° Straight M12 4-pin female A-coded - 0° Straight		8 0.32	5 No
WI1000-M12M8TF8T.5N M12 Shl Cable .5m 8p Fem 0° to 8p Male 0	Connector 2	M12 8-pin male A-coded - 0° Straight M12 5-pin female A-coded - 0° Straight		8 0.32	0.5 No
WI1000-M12M8TLT0184 M12 shl cable5m, 8 pin male 0° IO SPEC	Connector 2	M12 8-pin male A-coded - 0° Straight M12 4-pin female A-coded - 0° Straight		8 0.32	5 No
WI1000-M12M8V05N M12 Shl Cable 5m 8 p Mal 90° COM1/ExtIO	Connector 2	M12 8-pin male A-coded - 90° Angled Open Ended - n/a	Basic I/O, Com Standard	8 0.2	5 No
WI1000-M12M8V20N M12 Shl Cable 20m 8 p Mal 90° COM1/ExtIO	Connector 2	M12 8-pin male A-coded - 90° Angled Open Ended - n/a	Basic I/O, Com Standard	8 0.2	20 No
WI1005-M12M8QM5V.3N M12 Shl Cab 0.3m 8p Mal 5p Mal 90° RS485 twisted	Connector 2	M12 8-pin male A-coded - 90° Angled M12 5-pin male A-coded - 90° Angled	Communication Standard		0.3 No
WI1005-M12M8S10N	Connector 2	M12 8-pin male A-coded - 0° Straight		8	10



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Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
M12 Shl Cable 10m, 8 p Male MAC00-B41 twisted		Open Ended - n/a	Standard	0.32	No
WI1005-M12M8STR5	Connector 2	M12 8-pin male A-coded - 0° Straight	Communication	n/a	Connector
M12 8-pin male A Code Resistor RS485		n/a - n/a	n/a	0.32	No
WI1005-M12M8TF8T20N	Connector 2	M12 8-pin male A-coded - 0° Straight		8	5
M12 Shl Cab 20m 8p Male 8p Female 0° RS485 twisted		M12 8-pin female A-coded - 0° Straight		0.32	No
WI1005-M12M8TM5T.3N	Connector 2	M12 8-pin male A-coded - 0° Straight	Communication	5	0.3
M12 Shl Cab 0,3 m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - 0° Straight	Standard	0.32	No
WI1005-M12M8TM5T.5N	Connector 2	M12 8-pin male A-coded - 0° Straight	Communication	5	0.5
M12 Shl Cab 0,5 m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - 0° Straight	Standard	0.32	No
WI1005-M12M8TM5T05N	Connector 2	M12 8-pin male A-coded - 0° Straight	Communication	5	5
M12 Shl Cab 5m 8p Male 5p Male 0° RS485 twisted		M12 5-pin male A-coded - 0° Straight	Standard	0.32	No
WI1005-M12M8VM5V.5N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	0,5
M12 Shl Cab 0.5m 8pMale 5pMale 90° RS485 twisted		M12 5-pin male A-coded - 90° Angled	Standard	0.32	No
WI1005-M12M8VM5V03N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	3
M12 Shl Cab3m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - 90° Angled	Standard	0.32	No
WI1005-M12M8VM5V10N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	10
M12 Shl Cab10m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - 90° Angled	Standard	0.32	No
WI1005-M12M8VM5V20N	Connector 2	M12 8-pin male A-coded - 90° Angled	Communication	5	20
M12 Shl Cab20m 8p Male 5p Male 90° RS485 twisted		M12 5-pin male A-coded - 90° Angled	Standard	0.32	No
WI1008-M12M8SC1	Connector 2	M12 8-pin male A-coded - 0° Straight		n/a	Connector
M12 Con 8p Male 0° Screw Ø4-8mm cable		- n/a	n/a	n/a	No
WI1008-M12M8SS1	Connector 2	M12 8-pin male A-coded - 0° Straight		n/a	Connector
M12 Con 8p Male 0° Solder assembly		- n/a	n/a	n/a	No
WI1008-M12M8TC1	Connector 2	M12 8-pin male A-coded - 0° Straight		n/a	Connector
M12 Con 8p Male 0° Screw Shield		- n/a	n/a	n/a	No
WI1008-M12M8TS1	Connector 2	M12 8-pin male A-coded - 0° Straight		n/a	Connector
M12 Con 8p Male 0° Solder Shield		- n/a	n/a	n/a	No
WI1009-M12M8Q1.2N	Connector 2	M12 8-pin male A-coded - 90° Angled		8	1.2
M12 Shl Cable 1.2m 8p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1009-M12M8V05N	Connector 2	M12 8-pin male A-coded - 90° Angled		8	5
M12 Shl Cable 5m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1009-M12M8V20N	Connector 2	M12 8-pin male A-coded - 90° Angled		8	20
M12 Shl Cable 20m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1011-M12M8V1.2T	Connector 2	M12 8-pin male A-coded - 90° Angled		8	1.2
M12 Shl Cable 1.2m 8 p Male 90° 4P twisted		Open Ended - n/a		0.32	No
WI1011-M12M8V10T	Connector 2	M12 8-pin male A-coded - 90° Angled		8	10
M12 Shl Cable 10m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
WI1011-M12M8V15T	Connector 2	M12 8-pin male A-coded - 90° Angled		8	15
M12 Shl Cable 15m 8 p Male 90° 4P twisted		Open Ended - n/a	Standard	0.32	No
RS232-M12-1-10-8	Connector 2 RS232	M12 8-pin male A-coded - 90° Angled	Communication		5
RS232 M12 8pin M 10m f/FC4,FD4,FP4,B4		D-Sub 9-pin female - RS232 - 0° Straight	Standard	0,32	No
RS232-M12-1-3-8-QS	Connector 2 RS232	M12 8-pin male A-coded - 90° Angled	Communication		5
RS232 M12 8pin M 3m Quickstep/SMC75A1Mx		D-Sub 9-pin female - RS232 - 0° Straight	Standard	0,32	No
RS232-M12-1-5-8	Connector 2 RS232	M12 8-pin male A-coded - 90° Angled	Communication	3	5
RS232 M12 8pin M 5m f/ FC41,FP4,B4,B41		D-Sub 9-pin female - RS232 - 0° Straight	Standard	0,32	No
WI1046-M12M4S.3NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-RJ45, 0,3m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S01NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-RJ45, 1,0m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S05NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-RJ45, SFTP, 5m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S05R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°, SFTP, 5m Ø7		Open Ended - n/a	Cable chains - 2D	0.13	No
WI1046-M12M4S10NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No



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Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
WI1046-M12M4S15NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-RJ45, 15m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S15R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°, 15m Ø7		Open Ended - n/a	Cable chains - 2D	0.13	No
WI1046-M12M4T.3TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-RJ45, 0.3m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T01TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-RJ45, 1m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T02NRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-RJ45, 2m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T05TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-RJ45, 5m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T10TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T15TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-RJ45, SFTP, 15m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T20TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-RJ45, 20m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T.3R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T.3T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T01R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T01T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T02R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T02T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T05R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T05T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T10R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T10T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T15R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20R	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20T	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4V02TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	2
M12 Cab D-code Ethernet M90°-RJ45, 2m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4V05TRJ45	Connector 3	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	5
M12 Cab D-code Ethernet M90°-RJ45, 5m, Ø6		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4T.6N	Connector 3	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4V.6N	Connector 3	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 90° Angled	Standard	0.13	No
WI1048-M12M4TTR1	Connector 3	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet		Connector
M12 Con 4 p Male D Code Ethernet PressLock		- n/a	n/a		No
WI1046-M12M4TM4T.3R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3



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Profinet module M12 connectors

Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T.3T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T01R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T01T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T02R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T02T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T05R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T05T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T10R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T10T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T15R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20R	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20T	Connector 3-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4T.6N	Connector 3-2	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4V.6N	Connector 3-2	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 90° Angled	Standard	0.13	No
WI1046-M12M4S.3NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-RJ45, 0,3m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S01NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-RJ45, 1,0m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S05NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-RJ45, SFTP, 5m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S05R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°, SFTP, 5m Ø7		Open Ended - n/a	Cable chains - 2D	0.13	No
WI1046-M12M4S10NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S15NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-RJ45, 15m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4S15R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°, 15m Ø7		Open Ended - n/a	Cable chains - 2D	0.13	No
WI1046-M12M4T.3TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-RJ45, 0,3m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T01TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-RJ45, 1m, RJ45 Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T02NRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-RJ45, 2m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T05TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-RJ45, 5m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T10TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-RJ45, 10m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4T15TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-RJ45, SFTP, 15m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No



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Profinet module M12 connectors

Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
WI1046-M12M4T20TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-RJ45, 20m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T.3R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T.3T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T01R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T01T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T02R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T02T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T05R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T05T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T10R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T10T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T15R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20R	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20T	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4V02TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	2
M12 Cab D-code Ethernet M90°-RJ45, 2m, Ø5		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4V05TRJ45	Connector 4	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	5
M12 Cab D-code Ethernet M90°-RJ45, 5m, Ø6		RJ45 male - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4T.6N	Connector 4	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4V.6N	Connector 4	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 90° Angled	Standard	0.13	No
WI1048-M12M4TTR1	Connector 4	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet		Connector
M12 Con 4 p Male D Code Ethernet PressLock		- n/a	n/a		No
WI1046-M12M4TM4T.3R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T.3T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	0.3
M12 Cab D-code Ethernet M0°-M0°, 0,3m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T01R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T01T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	1
M12 Cab D-code Ethernet M0°-M0°, 1m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T02R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T02T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	2
M12 Cab D-code Ethernet M0°-M0°, 2,0m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T05R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T05T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	5
M12 Cab D-code Ethernet M0°-M0°, 5m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T10R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10



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Profinet module M12 connectors

Cable information

Item number	Mount on	Cable con 1 +Con 1 angle	Cable application	Wires no totally	Cable length [m]
Item description		Cable con 2 +Con 2 angle	Cable flexibility	Wire [mm2]	Connector 1 LED
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T10T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	10
M12 Cab D-code Ethernet M0°-M0°, 10m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4TM4T15R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	15
M12 Cab D-code Ethernet M0°-M0°, 15m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20R	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø7		M12 4-pin male D-coded Ethernet - 0° Straight	Robotic - 3D	0.14	No
WI1046-M12M4TM4T20T	Connector 4-2	M12 4-pin male D-coded Ethernet - 0° Straight	Ethernet	4	20
M12 Cab D-code Ethernet M0°-M0°, 20m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4T.6N	Connector 4-2	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M0°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 0° Straight	Standard	0.13	No
WI1046-M12M4VM4V.6N	Connector 4-2	M12 4-pin male D-coded Ethernet - 90° Angled	Ethernet	4	0.6
M12 Cab D-code Ethernet M90°-M90°, 0,6m, Ø6		M12 4-pin male D-coded Ethernet - 90° Angled	Standard	0.13	No