

DIAGNOSIS ADAPTER FOR MOLEX® CMC CONNECTORS

Transparent In-Circuit test adapter for service,
commissioning, development and training

CATALOGUE 2025

Contact

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M32PS

General properties

Model	MCDA-M32PS-XX XX: brown (bn), black(bk), blue (bl) or gray(gy) connector
Pin count	32 pins
Interfaces	MOLEX 643340100, 643340300, 643340500
Dimensions	220 mm x 96 mm x 47 mm
Weight	250 g
Circuit details	8 x 1.0 mm ² + 24 x 0.5 mm ²

Models

Description	Model	Coding/ Connector	Part no
MC Diagnosis Adapter, black coding, 32 pin	MCDA-M32PS-bk	black 643340300	20000
MC Diagnosis Adapter, brown coding, 32 pin	MCDA-M32PS-bn	brown 643340100	20001
MC Diagnosis Adapter, blue coding, 32 pin	MCDA-M32PS-bl	blue 643340500	20002
MC Diagnosis Adapter, gray coding, 32 pin	MCDA-M32PS-gy	coding removed!	20084

Additional products

Description	Part no
Wiring harness, 32 pin, brown, l1=2 m	see catalogue section wiring harness
Stencil, universal fields, for Diagnosis Adapter 32 pin	see catalogue section stencil
Jumper 12 mm, Ø 2mm	see catalogue section jumpers
Diagnosis Adapter-Kits	see catalogue section Kits
Transport case ORSY®	20022
Test leads 2mm to 4 mm banana	see catalogue section leads

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Features

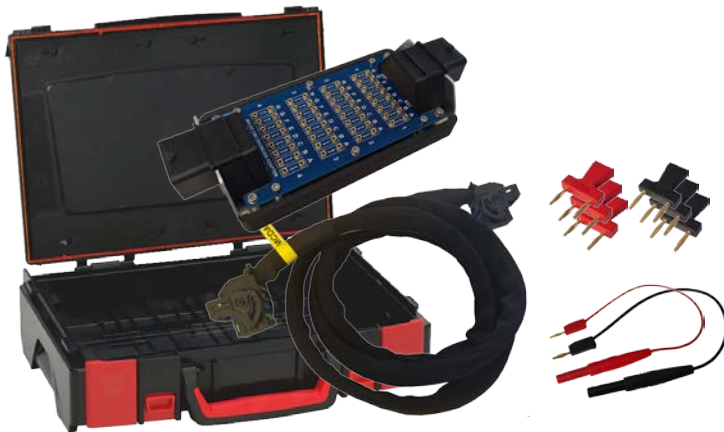
- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be opened or closed by jumper
- Three connector coding's available
- Holes for fixation of adapter
- Additional measurement equipment available

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test
- For service, commissioning, development and training

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M32PS-KIT

General properties

Model	MCDA-M32PS-CO-J-TC-KIT CO: Coding: black (bk), brown (bn), blue(bl) or gray(gy) connector J: e economy, p premium TC: C0 without transport case, C1 in transport case
Pin count	32 pins
Dimensions	220 mm x 120 mm x 47 mm
Weight	3.5000 g
Circuit details	8 x 1.0 mm ² + 24 x 0.5 mm ²

Scope of delivery

Description
1 pc MC Diagnosis Adapter, 32-pin version with selected coding
1 pc wiring harness 1,9 m, 32 pin with selected coding
17 pcs premium Jumper 12 mm, Ø 2 mm, red
17 pcs premium Jumper 12 mm, Ø 2 mm, black
2 pcs test lead Ø 2 mm to 4 mm banana, 1 red, 1 black
1 pc transport case ORSY®

Adapter-Kits

Coding	Description	Part no
brown	MC Diagnosis Adapter-Kit, 32 pin, brown, 2 m wiring harness, 35 jumpers premium in transport case	20042
black	MC Diagnosis Adapter-Kit, 32 pin, black, 2 m wiring harness, 35 jumpers premium in transport case	20043
blue	MC Diagnosis Adapter-Kit, 32 pin, blue, 2 m wiring harness, 35 jumpers premium in transport case	20044
gray	MC Diagnosis Adapter-Kit, 32 pin, grey, 2 m wiring harness, 35 jumpers premium in transport case (coding removed!)	20089

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

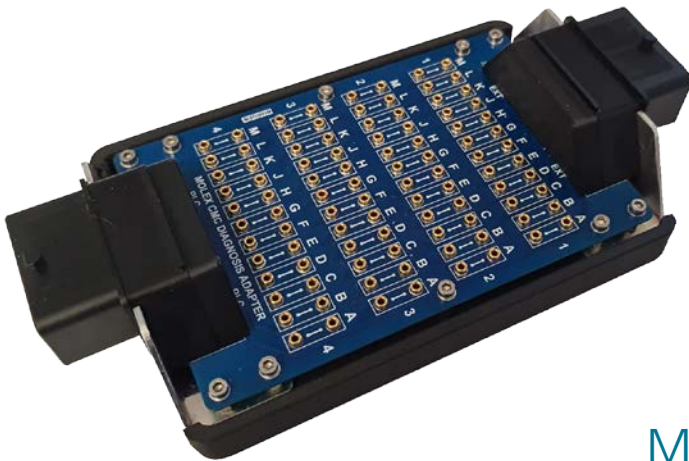
Each connection of the CMC connector is available on sockets at the Diagnosis Adapter. It can be opened or closed using jumpers. The Diagnosis Adapter can be used for a wide range of tasks. Additional measurement equipment is available for easy access of connection points.

Features

- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be open or closed by jumper
- Two connector coding available
- holes for fixation

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test
- For service, commissioning, development and training



M48PS

General properties

Model	MCDA-M48PS-XX XX: black (bk), gray(gy) or brown (bn) connector
Pin count	48 pins
Interfaces	MOLEX 5007620481, 5007620482, 5007620483
Dimensions	220 mm x 120 mm x 47 mm
Weight	300 g
Circuit details	8 x 1.0 mm ² + 40 x 0.5 mm ²

Models

Description	Model	Coding/ (Connector)	Part no
MC Diagnosis Adapter, black coding, 48 pin	MCDA-M48PS-bk	black 5007620481	20003
MC Diagnosis Adapter, brown, coding, 48 pin	MCDA-M48PS-bn	brown 5007620483	20004
MC Diagnosis Adapter, gray coding, 48 pin	MCDA-M48PS-gy	gray 5007620482	20005

Additional products

Description	Part no
Wiring harness, 48 pin, black, l1=2 m,	20011
Wiring harness, 48 pin, brown, l1=2 m	20012
Wiring harness, 48 pin, gray, l1=2 m	20013
Jumper 12 mm, Ø 2mm	see catalogue section accessories
Diagnosis Adapter-Kits	see catalogue section Kits
Stencil for Diagnosis Adapter	20030
Transport case ORSY®	20023
Test leads 2mm to 4 mm banana	see catalogue section accessories

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Features

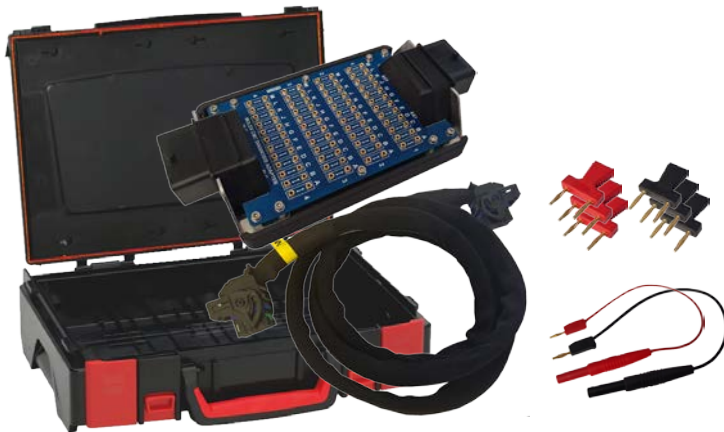
- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be opened or closed by jumper
- Three connector coding's available
- Holes for fixation of adapter
- Additional measurement equipment available

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test
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M48PS-KIT

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Each connection of the CMC connector is available on sockets at the Diagnosis Adapter. It can be opened or closed using jumpers. The Diagnosis Adapter can be used for a wide range of tasks. Additional measurement equipment is available for easy access of connection points.

General properties

Model	MCD A-M48PS-CO-J-TC-KIT CO: Coding: black (bk), gray(gy) or brown (bn) connector J: e economy, p premium TC: C0 without transport case, C1 in transport case
Pin count	48 pins
Dimensions	220 mm x 120 mm x 47 mm
Weight	3.600 g
Circuit details	8 x 1.0 mm ² + 40 x 0.5 mm ²

Scope of delivery

Description
1 pc MC Diagnosis Adapter, 48-pin version with selected coding
1 pc wiring harness 1,9 m, 48 pin with selected coding
25 pcs premium Jumper 12 mm, Ø 2 mm, red
25 pcs premium Jumper 12 mm, Ø 2 mm, black
2 pcs test leads Ø 2 mm to 4 mm banana, 1 red, 1 black
1 pc transport case ORSY®

Adapter-Kits

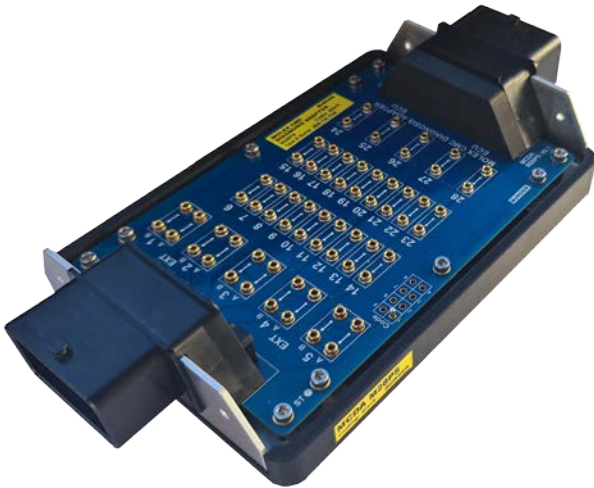
Coding	Description	Part no
black	MC Diagnosis Adapter-Kit, 48 pin, black, 2 m wiring harness, 50 jumpers premium in transport case	20054
brown	MC Diagnosis Adapter-Kit, 48 pin, brown, 2 m wiring harness, 50 jumpers premium in transport case	20055
gray	MC Diagnosis Adapter-Kit, 48 pin, gray, 2 m wiring harness, 50 jumpers premium in transport case	20056

Features

- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be open or closed by jumper
- Two connector coding available
- holes for fixation

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test
- For service, commissioning, development and training



M28PS

General properties

Model	MCDA-M28PS-XX XX: brown (bn), black(bk) or gray(gy) connector
Pin count	28 pins
Interfaces	MOLEX 643183011, 643183019, 643183018
Dimensions	220 mm x 120 mm x 47 mm
Weight	300 g
Circuit details	5 x 2.5 mm ² + 5 x 1.0 mm ² + 15 x 0.5 mm ²

Models

Description	Model	Coding/ Connector	Part no
MC Diagnosis Adapter, black coding, 28 pin	MCDA-M28PS-bk	black 477450100	20090
MC Diagnosis Adapter, brown coding, 28 pin	MCDA-M28PS-bn	brown 477450300	20090
MC Diagnosis Adapter, gray coding, 28 pin	MCDA-M28PS-gy	gray 477450200	20090

Additional products

Description	Part no
Wiring harness, 28 pin, brown, l1=2 m	see catalogue section wiring harness
Stencil, universal fields, for Diagnosis Adapter 28 pin	see catalogue section stencil
Jumper 12 mm, Ø 2mm	see catalogue section jumpers
Diagnosis Adapter-Kits	see catalogue section Kits
Transport case ORSY®	20023
Test leads 2mm to 4 mm banana	see catalogue section leads

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Features

- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be opened or closed by jumper
- Three connector coding's available
- Holes for fixation of adapter
- Additional measurement equipment available

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test
- For service, commissioning, development and training

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M28PS-KIT

General properties

Model	MCD A-M28PS-CO-J-TC-KIT CO: Coding: black (bk), gray(gy) or brown (bn) connector J: e economy, p premium TC: C0 without transport case, C1 in transport case
Pin count	28 pins
Dimensions	220 mm x 120 mm x 47 mm
Weight	3.600 g
Circuit details	8 x 1.0 mm ² + 40 x 0.5 mm ²

Scope of delivery

Description
1 pc MC Diagnosis Adapter, 28-pin version with selected coding
1 pc wiring harness 1,9 m, 28 pin with selected coding
13 pcs premium Jumper 12 mm, Ø 2 mm, red
12 pcs premium Jumper 12 mm, Ø 2 mm, black
2 pcs test leads Ø 2 mm to 4 mm banana, 1 red, 1 black
1 pc transport case ORSY®

Adapter-Kits

Coding	Description	Part no
black	MC Diagnosis Adapter-Kit, 48 pin, black, 2 m wiring harness, 35 jumpers premium in transport case	20098
brown	MC Diagnosis Adapter-Kit, 48 pin, brown, 2 m wiring harness, 35 jumpers premium in transport case	20099
gray	MC Diagnosis Adapter-Kit, 48 pin, gray, 2 m wiring harness, 35 jumpers premium in transport case	20100

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Features

- Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.
- Each connection can be open or closed by jumper
- Two connector coding available
- holes for fixation

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
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- Wiring harness test
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WIRING HARNESS FOR MC DIAGNOSIS ADAPTER MXXPS



HARNESS

Coding

MCDA-WH	-	PC	-	CO	-	XXXX
1		2		3		4

Pos	ID	Description
1	MCDA-WH	MC Diagnosis Adapter wiring harness
2	PC	Pin count: 32 pin, 48 pin
3	CO	Coding: bk black, bn brown, gn green, gy gray, bl blue
4	XXXX	Wiring harness length in mm Standard length: 2.000 mm

Wiring harness models

Model	Coding	Circuit details	Length	Weight	Part no
MCDA-WH-32-bk-2000	black	8 x 1 mm ² + 24 x 0.5 mm ²	2.000 mm	0,7 kg	20008
MCDA-WH-32-bn-2000	brown	8 x 1.0 mm ² + 24 x 0.5 mm ²	2.000 mm	0,7 kg	20009
MCDA-WH-32-bl-2000	blue	8 x 1 mm ² + 24 x 0.5 mm ²	2.000 mm	0,7 kg	20010
MCDA-WH-32-gy-2000	gray	8 x 1 mm ² + 40 x 0.5 mm ²	2.000 mm	1,1 kg	20085
MCDA-WH-48-bk-2000	black	8 x 1 mm ² + 40 x 0.5 mm ²	2.000 mm	1,1 kg	20011
MCDAWH-bn-48-2000	brown	8 x 1 mm ² + 40 x 0.5 mm ²	2.000 mm	1,1 kg	20012
MCDAWH-48-gy-2000	gray	8 x 1 mm ² + 40 x 0.5 mm ²	2.000 mm	1,1 kg	20013
MCDAWH-PC-CO-32-XXXX		8 x 1 mm ² + 32 x 0.5 mm ²	custom length		20015
MCDAWH-PC-CO-48-XXXX		8 x 1 mm ² + 40 x 0.5 mm ²	custom length		

The wiring harness for the MC Diagnosis Adapter connects the adapter with an external control system. It is available in different configurations.

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors. Each connection of the CMC connector is available on sockets at the Diagnosis Adapter. It can be open or closed using jumpers for a wide range of tasks.

Protection for harsh environment

The tightly woven Nylon® makes the sleeving braid as a perfect solution for cable protection. The 1.1 mm wall thickness will protect the wiring harness from weather, sunlight and abrasion damage.

The sleeving braid will also prevent from scraping, chafing and contact damage to painted or other fragile surfaces.

It is resistant to chemicals, UV damage and rot, and is suitable for continuous outdoor use under all weather conditions.

Resistant automotive cable

The wiring harness is made of single-core, hot deformation resistant automotive cable with reduced wall-thickness with 0.5 mm² and 1.0 mm³ nom cross section.

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WIRING HARNESS FOR MC DIAGNOSIS ADAPTER M28PS

continued page...

Wiring harness models

Model	Coding	Circuit details	Length	Weight	Part no
MCDA-WH-28-bk-2000	black	5 x 2.5 mm ² + 5 x 1 mm ² + 18 x 0.5 mm ²	2.000 mm	0,7 kg	20093
MCDA-WH-28-bn-2000	brown	5 x 2.5 mm ² + 5 x 1 mm ² + 18 x 0.5 mm ²	2.000 mm	0,7 kg	20094
MCDA-WH-28-bl-2000	gray	5 x 2.5 mm ² + 5 x 1 mm ² + 18 x 0.5 mm ²	2.000 mm	0,7 kg	20095
MCDA-WH-PC-CO-48-XXXX		5 x 2.5 mm ² + 5 x 1 mm ² + 18 x 0.5 mm ²	custom length		20015

The wiring harness for the MC Diagnosis Adapter connects the adapter with an external control system. It is available in different configurations.

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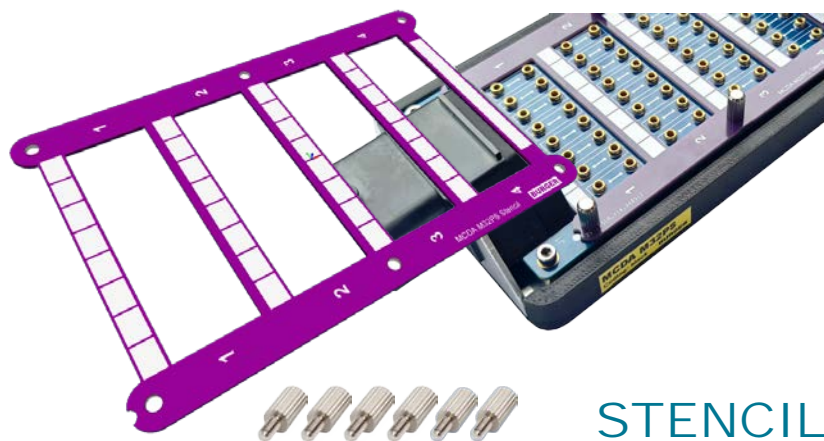
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STENCILS FOR MC DIAGNOSIS ADAPTER M32PS AND M48PS



STENCIL

The stencil fits on top of the MC Diagnosis Adapter M32PS or M48PS. Each connection point can be characterized on user demand.

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC 32 pin and 48 pin connectors. Each connection of the CMC connector is available on sockets at the Diagnosis Adapter. It can be opened or closed using jumpers for a wide range of measurement and control tasks.

User defined stencils on request

Coding

MCDA-ST	-	XXXXX	-	CN
1		2		3

Pos	ID	Description
1	MCDA-ST	Stencil for MC Diagnosis Adapter
2	XXXX	Stencil fits to Diagnosis Adapter M32PS M48PS
3	CN	Configuration: 01: univereal fields for characterization by user 99: user defined stencil

Models

Model	Pins	Dimensions	Weight	Remark	Part no
MCDA-ST-M32PS-01	32	82 mm x 120 mm x 1.5 mm	35 g	standard stencil	20029
MCDA-ST-M48PS-01	48	120 mm x 120 mm x 1.5 mm	45 g	standard stencil	20030
MCDA-ST-M32PS-99	32	82 mm x 120 mm x 1.5 mm	35 g	user defined stencil	20031
MCDA-ST-M48PS-99	48	120 mm x 120 mm x 1.5 mm	45 g	user defined stencil	20032
MCDA-ST-M28PS-01	28	120 mm x 120 mm x 1.5 mm	45 g	standard stencil	20096
MCDA-ST-M28PS-99	28	120 mm x 120 mm x 1.5 mm	45 g	user defined stencil	20097

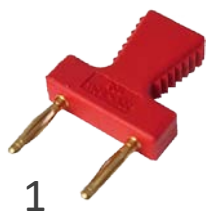
Scope of delivery

1 pc stencil
6 pcs M3 x 6 mm stainless steel small head straight knurled bolts

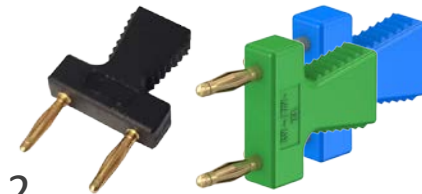
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ACCESSOIRS FOR MC DIAGNOSIS ADAPTERS



1



2

PREMIUM JUMPERS



3



4

ECONOMY JUMPERS



5



6

TEST LEADS



7

TRANSPORT CASE

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.

Connections can be opened or closed using jumpers. Additional measurement equipment as jumpers and test leads are available

Features premium jumpers

- Insulated \varnothing 2 mm, plug spacing 12 mm plug
- Rigid \varnothing 2 mm socket in handling part
- Vibration proofed
- 30 VAC / 10 A, 60 VDC / 10 A
- Gold plated - low contact resistance and high resistance to corrosion

Features test leads

- Highly flexible with assembled \varnothing 2 mm plug
- Stackable
- 30 VAC / 10 A, 60 VDC / 10 A

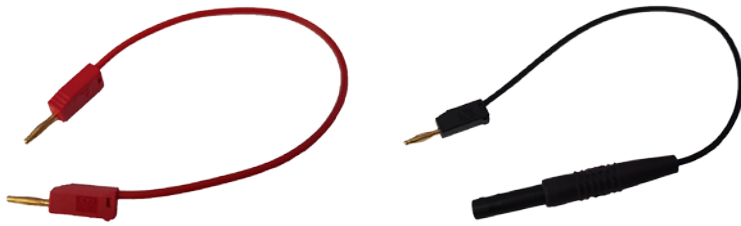
Products

Pos	Model	Color	Part no
1	Jumper premium 12 mm, 30 VAC / 10 A, 60 VDC / 10 A (1)	black	20016
2	Jumper premium 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	red	20017
3	Jumper premium 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	blue	20018
4	Jumper premium 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	yellow	20019
5	Jumper premium 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	green	20020
6	Jumper economy 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	red	20021
7	Jumper economy 12 mm, 30 VAC / 10 A, 60 VDC / 10 A	black	20022
8	Test lead \varnothing 2 mm to 4 mm banana, 30 VAC / 10 A, 60 VDC / 10 A, gold plated, 15 cm, red (6)	red	20060
9	Test lead \varnothing 2 mm to 4 mm banana, 30 VAC / 10 A, 60 VDC / 10 A, gold plated, 15 cm, black (6)	black	20059
10	Test lead \varnothing 2 mm to 2 mm, 30 VAC / 10 A, 60 VDC / 10 A, gold plated, 15 cm, red (5)	red	20063
11	Test lead \varnothing 2 mm to 2 mm, 30 VAC / 10 A, 60 VDC / 10 A, gold plated, 15 cm, black (5)	black	20062
12	Transport case ORSY® with inlay, 370 mm x 278 mm x 85 mm, 1.449 g, fits to 32 and 48 pin adapter (7)		20022

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ACCESSOIRS FOR MC DIAGNOSIS ADAPTERS



2 mm TEST LEADS

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Each connection of the CMC connector is available on sockets at the Diagnosis Adapter.

Connections can be opened or closed using jumpers. Test leads can also be applied on the sockets or on top of the jumpers.

Test lead can be plugged in directly on the sockets on top of the rigid Ø 2 mm socket in handling part. Test leads are available in different colors and lengths.

Coding

LK205	-	XXX	-	CO
1		2		3

Pos	ID	Description
1	LK205	Highly flexible with stackable Ø 2 mm plugs on both ends, 30 VAC / 10 A, 60 VDC / 10 A, gold plated, 15 cm
2	XXX	Lead length in cm 007; 015; 030; 045; 050; 060 cm
3	CO	Coding: 21 22 23 24 25 27 28 29

Products

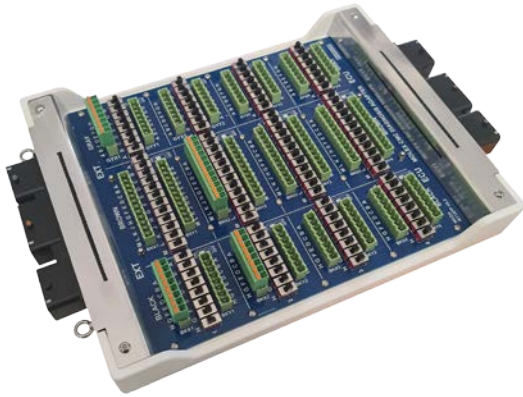
Pos	Description	Length	Color	Part no
1	Test lead Ø 2 mm to 2 mm	15 cm	black	20062
2	Test lead Ø 2 mm to 2 mm	15 cm	red	20063
3	Test lead Ø 2 mm to 2 mm	15 cm	blue	20064
4	Test lead Ø 2 mm to 2 mm	15 cm	yellow	20065
5	Test lead Ø 2 mm to 2 mm	15 cm	green	20066
6	Test lead Ø 2 mm to 2 mm	7 cm	red	20067
7	further 2mm test leads on request			

Features test leads

- Highly flexible with assembled Ø 2 mm plug
- Stackable
- 30 VAC / 10 A, 60 VDC / 10 A

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M112PP

General properties

Part no	20006
Description	MC Diagnosis Adapter - 112 pin
Model	MCDA-M112PP-P1
Pin count	32-48-32 pins
Interfaces	MOLEX 643330100
Dimension	368 mm x 250 mm x 44 mm
Weight	1.360 g
Circuit details	24 x 1.0 mm ² + 88 x 0.5 mm ²

Additional products

Description	Part no
1 pc basic set of PCB connectors, push-in spring 2,5 mm ² , nominal current 12 A 8 pcs 8 pin + 4 pcs 12 pin	20027
1 pc complete set of PCB connector, push-in spring 2,5 mm ² , nominal current 12 A 16 pcs 8 pin + 8 pcs 12 pin	20028
1 pc 112 pin wiring harness 32-48-42 pins, length 2.000 mm	20014
1 pc transport case ORSY® with inlay	20023

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Features

- Each connection of the CMC connector is available on Diagnosis Adapter
- Each connection can be opened or closed by a sliding switch
- Two connection points on both sides of the related sliding switch can be accessed over terminal connectors
- holes for fixation of adapter

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- Wiring harness test

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WIRING HARNESS FOR MC DIAGNOSIS ADAPTER M112PP



HARNESS

The wiring harness for the MC Diagnosis Adapter connects the adapter with an external control system. It is available in different configurations.

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors. Each connection of the CMC connector is available on terminals at the Diagnosis Adapter. It can be open or closed using switches and used for a wide range of tasks.

Coding

MCDA-WH	-	PC	-	CO	-	XXXX
1		2		3		4

Pos	ID	Description
1	MCDA-WH	MC Diagnosis Adapter wiring harness
2	PC	pin count: 112 pin
3	CO	Coding: bk/gy/bn
4	XXXX	Wiring harness length in mm Standard length 2.000 mm

Wiring harness models

Part no	Model	Coding	Circuit details	Length	Weight
20014	MCDA-WH-112-bk/gy/bn-2000	brown	8 x 1.0 mm ² + 40x 0.5 mm ²	2.000 mm	2,5 kg
		black	8 x 1.0 mm ² + 24 x 0.5 mm ²		
		gray	8 x 1.0 mm ² + 4 x 0.5 mm ²		
20015	MCDA-WH-112-bk/gy/bn-XXXX	brown	8 x 1.0 mm ² + 40x 0.5 mm ²	custom length	
		black	8 x 1.0 mm ² + 24 x 0.5 mm ²		
		gray	8 x 1.0 mm ² + 24 x 0.5 mm ²		

Protection for harsh environment

The tightly woven Nylon® makes the sleeving braid as a perfect solution for cable protection. The 1.1 mm wall thickness will protect the wiring harness from weather, sunlight and abrasion damage.

The sleeving braid also prevents from scraping, chafing and contact damage to painted or other fragile surfaces.

It is resistant to chemicals, UV damage and rot, and is suitable for continuous outdoor use under all weather conditions.

Resistant automotive cable

The wiring harness is made of single-core, hot deformation resistant automotive cable with reduced wall-thickness with 0.5 mm² and 1.0 mm³ nom cross section.

Contact

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M112PP-KIT

General properties

Description	MC Diagnosis Adapter-Kit (part no 20121), 112-pin version, with 2 m length harness, a complete set of terminal connectors and transport case
Dimensions	500 mm x 380 mm x 140 mm
Weight	7,7 kg

Scope of delivery

Description	Part No
<ul style="list-style-type: none"> ▪ 1 pc MC Diagnosis Adapter transport case, 112-pin version (part no 20006) ▪ 1 pc wiring harness 1,9 m, 112 pin with selected coding (part no 20014) ▪ 1 pc complete set of premium terminal connectors (part no 20028) ▪ 2 + 2 pcs Safety silicone measuring lead 4 mm banana to 1.5 mm² ferule, 1 m, black/red ▪ 1 pc mounting strap, Nylon®, width 2 cm, adjustable length 40 - 60 cm, black ▪ 1 pc transport case ORSY® with inlay (part no 20024) 	20058
<ul style="list-style-type: none"> ▪ 1 pc MC Diagnosis Adapter transport case, 112-pin version (part no 20006) ▪ 1 pc wiring harness 1,9 m, 112 pin with selected coding (part no 20014) ▪ 1 pc complete set of premium terminal connectors (part no 20028) ▪ 2 + 2 pcs Safety silicone measuring lead 4 mm banana to 1.5 mm² ferule, 1 m, black/red ▪ 1 pc mounting strap, Nylon®, width 2 cm, adjustable length 40 - 60 cm, black ▪ 1 pc transport case ORSY® with inlay (part no 20024) 	20059

Flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Each connection of the CMC connector is available on the Diagnosis Adapter. It can be open or closed by applying a sliding switch. Two connection points on both sides of the related sliding switch can be accessed over terminal connectors for a wide range of diagnosis and control tasks.

Applications

- Multiple measurement tasks as In-Circuit voltage, current and RLC-measurement between ECU, sensors and actors
- Short circuit and connection break detection
- Interface for measurement equipment like multi meters, oscilloscopes etc.
- External injection of control, test and stimulation signals
- For service, commissioning, development and training

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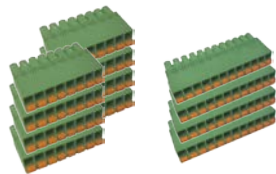
ACCESSOIRS FOR MC DIAGNOSIS ADAPTER M122PP



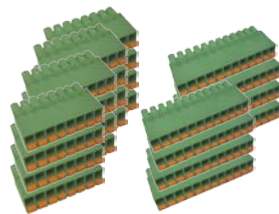
1



2



3



4

PCB CONNECTORS



5

TRANSPORT CASE

Products

Part no	Model	Part no
1	1 pc PCB connector, push-in spring 2,5 mm ² , 8 pins, nominal current 12 A	20025
2	1 pc PCB connector, push-in spring 2,5 mm ² , 12 pins, nominal current 12 A	20026
3	1 basic set of PCB connectors, push-in spring 2,5 mm ² , nominal current 12 A 8 pcs 8 pins 4 pcs 12 pin	20027
4	1 complete set of PCB connectors, push-in spring 2,5 mm ² , nominal current 12 A 16 pcs 8 pins 8 pcs 12 pin	20028
5	Transport case ORSY® with inlay, 500 mm x 380 mm x 140 mm, 2.741 g, Diagnosis Adapter M112PP	20024

The MC Diagnosis Adapter is a flexible, powerful device for performing measurement, control, monitoring or diagnosis tasks of devices that are built with MC connectors.

Each connection of the CMC connector is available on PCB terminal block connectors at the Diagnosis Adapter. Connections can be opened or closed using jumpers. Additional measurement equipment as test leads are available

Features premium jumpers

- Insulated Ø 2 mm, plug spacing 12 mm plug
- Rigid Ø 2 mm socket in handling part
- Vibration proofed
- 30 VAC / 10 A, 60 VDC / 10 A
- Low contact resistance and high resistance to corrosion

Features test leads

- Highly flexible with assembled Ø 2 mm plug
- Stackable
- 30 VAC / 10 A, 60 VDC / 10 A

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Nylon® is a registered trademark of DuPont Corporation.

ORSY® is a registered trademark of Würth Corporation.

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