

EPIC® M23P SERIES

A new era of servo motor connectivity





Next generation motor and cable connectors

LAPP has redefined the circular connector - with the EPIC® M23P series. Our motor and cable connectors set new standards. Both technically and economically.

Regardless of whether you want to supply your servo motor with a voltage of up to 630 V or a voltage of up to 1000 V, require a quick locking mechanism or value short delivery times. The M23P power connectors impress with their outstanding quality, offer numerous advantages and are still compatible with market competitors.

New standards - in line with the market

They are typically used for electric motors and servo drives. The M23P series is used for power supply and signal transmission. They are particularly suitable for environments in which electromagnetic compatibility (EMC) is required.

We deliver quickly - all over the world

The EPIC® M23P series is not only a real highlight from a technical point of view. The series is also unrivalled in terms of cost-effectiveness. With extremely short delivery times of **two to three weeks** and **worldwide** availability, you as a customer can benefit from the innovations of the M23 connectors in record time. Of course, you can rely on LAPP's usual high quality - thanks to reliable partners and connector assembly at our subsidiary Contact GmbH.

Versatile applications - limitless possibilities.

The **possible applications** for servo connectors are virtually unlimited. They can be used for standard applications up to 630 V as well as for higher voltages up to 1000 V. Whether for drives in factory automation, intralogistics or railway technology - the EPIC® M23P A3 Quickflex motor connector is the perfect solution. As a **manufacturer of motors, drives or encoders**, you can be sure that your devices are reliably supplied with power.

As a **machine manufacturer and assembler**, you can also benefit from the new EPIC® M23P series. Regardless of whether you work in automation technology, robotics or aerospace. The EPIC® M23P D6 Quickflex cable connector and the EPIC M23P F6 Quickflex coupling connector provide reliable support when connecting and extending cables and wires.



Robotics



Intralogistics



Renewable energy



Infrastructure

Your advantages

- Secure and quick fastening thanks to **Quickflex quick-locking systems** after just one eighth of a turn
- Optimised clearances and creepage distances thanks to innovative design for **continuous operation with voltages up to 1,000 V** and up to 5,000 metres above sea level
- **Visual identification** with coloured marking rings for clear assignment depending on the application
- **Reinforced construction** thanks to optimised turning mechanism for demanding applications
- **Shortened design** of the cable and coupling connectors for easy installation within tight installation spaces
- **Clean design** without unnecessary corners and edges: Easy cleaning and suitability for hygienic applications für hygienische Anwendungen



Erfahren Sie mehr:
www.lapp.com/en/de/e/089801

EPIC® M23P housings

M23 power connector for servo motors, including motor and cable connector plus coupling connector, Quickflex quick-locking system, in clean design, mechanically robust

EPIC® M23P A3 Quickflex

Rotatable and angled motor connector for servo motors



- **Rotatable outlet:**
Allows flexible mounting on the motor.
- **Quickflex locking systems:**
Quick connection with only an eighth of a turn

Article no.	contacts incl.	Type of locking	PIN configuration	PU/PCS.
381167787	No	Compatible with Market standards	3+PE+4	20
381167788	No		3+PE+4	20
381167791	Yes (3+PE+4)		3+PE+4	1
381167792	Yes (3+PE+4)		3+PE+4	1



EPIC® M23P D6 Quickflex

Straight, compact and powerful cable connector



- **Compact and powerful:**
Ideal for very small devices
- **Quickflex locking:**
Quick connection with just one eighth of a turn.

Article no.	contacts incl.	Clamping range mm	PIN configuration	PU/PCS.
381167769	No	7,5 – 12,0	3+PE+4	20
381167770	No	10,5 – 15,5	3+PE+4	20
381167771	No	14,0 – 17,0	3+PE+4	20
381167773	Yes (3+PE+4)	7,5 – 15,5	3+PE+4	1



EPIC® M23P D6 Screw connection

Straight, compact and powerful cable connector



- **Compact and powerful:**
Ideal for very small devices
- **Screw connection**

Article no.	contacts incl.	Clamping range mm	PIN configuration	PU/PCS.
381167775	No	7,5 – 12,0	3+PE+4	20
381167776	No	10,5 – 15,5	3+PE+4	20
381167777	No	14,0 – 17,0	3+PE+4	20
381167778	Yes (3+PE+4)	7,5 – 15,5	3+PE+4	1



EPIC® M23P F6 Quickflex

Straight, compact and powerful coupling plug



- **Compact and powerful:**
Ideal for very small devices
- **Quickflex locking system:**
Quick connection with only an eighth of a turn.

Article no.	contacts incl.	Clamping range mm	PIN configuration	PU/PCS.
381167781	No	7,5 – 12,0	3+PE+4	20
381167782	No	10,5 – 15,5	3+PE+4	20
381167783	No	14,0 – 17,0	3+PE+4	20
381167785	Yes (3+PE+4)	7,5 – 15,5	3+PE+4	1

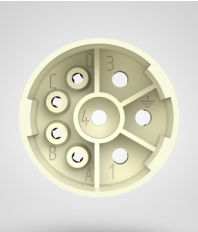


EPIC® M23P inserts

M23 circular connector for socket and pin contacts, voltages up to 1,000 V, new design for secure and precise contact fixing

EPIC® M23P Pin inserts

Circular connector insert for pin contacts



- **High-voltage-capable HV variant:**
Supports up to 1,000 V.
- **Optimised locking:**
New design for safe contact fixation.
- **Robust plastic:**
Flammability class V-0 (UL94).



EPIC® M23P Socket inserts

M23 circular connector insert for socket contacts



- Plug-in with pin inserts and HV pin inserts from the sew EPIC® M23P series
- **Optimised locking:**
New design for secure contact fixation.
- **Robust plastic:**
Complies with flammability class V-0 (UL94).



Article no.	High voltage capability	contacts incl.	No. of contacts	PU/PCS.
381167801	up to 1.000 V	No	8 (3+PE+4)	20
381167802	up to 1.000 V		8 (3+PE+4)	20
381167803	up to 630 V		8 (3+PE+4)	20
381167804	up to 630 V		8 (3+PE+4)	20

Article no.	contacts incl.	No. of contacts	PU/PCS.
381167796	No	8 (3+PE+4)	20

EPIC® M23P Contacts

EPIC® M23P Contacts

High-quality, crimpable contacts for EPIC® M23P



- **Massive contact:**
Safe for higher voltage.
- **Gold-plated brass:**
Corrosion-resistant, low contact resistances, long product life.
- **Pin contacts** for add-on housing and coupling plug



Article no.	Variant	PU/PCS.
381167755	2 mm 0,35 – 2,5 mm ²	100
381167756	2 mm 2,5 – 4,0 mm ²	100
381167757	1 mm 0,14 – 1,0 mm ²	100
381167758	1 mm 0,5 – 1,5 mm ²	100
381167759	2 mm 0,35 – 2,5 mm ²	100
381167760	2 mm 2,5 – 4,0 mm ²	100
381167761	1 mm 0,14 – 1,0 mm ²	100
381167762	1 mm 0,5 – 1,5 mm ²	100

EPIC® M23P Accessories

EPIC® M23P Mounting flange



For mounting on control cabinets, connection plates or industrial robots; can be retrofitted



- **Vibration-proof connection:**
Stable mounting on screw-on surface.
- **Simple installation:**
mounting flange can be attached with 4 screws.
- **Optimum sealing:**
Integrated sealing ring.

Article no.	PU/PCS.
381167768	20

EPIC® M23P Marking rings



Marking rings for colour coding connectors, clear assignment depending on application



- **Clear assignment:**
Ideal for robotic axis labelling.
- Available in different colours

Article no.	Colour	PU/PCS.
381167763	orange	20
381167764	red	20
381167765	black	20
381167766	green	20
381167767	yellow	20



ÖLFLEX®
Power and control cables



UNITRONIC®
Data communication systems



ETHERLINE®
Data communication systems
for Ethernet technology



HITRONIC®
Optical transmission systems



EPIC®
Industrial connectors



SKINTOP®
Cable glands



SILVYN®
Protective cable conduit systems
and cable carrier systems



FLEXIMARK®
Marking systems

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