

HYBRID SOLUTIONS



ALL-IN-ONE: POWER, SIGNAL AND ETHERNET



M 40 Hybrid

The robust power pack

The M 40 Hybrid combines the power of the standard series with the versatility of a hybrid connector. This circular connector transmits power up to 55 A and data rates up to 100 Mbit/s in parallel. A special feature is the high electrical characteristics of the signal contacts. They enable servo technology users to realize transmission rates of up to 300 V/8 A for brakes.

// Compact and robust design
// Absolute industrial suitability for harsh environments
// Screw or quick-lock fastener
// TWILOCK-S: mateable with Speedtec
4+2 Signal
U
U
V
4x Power + PE



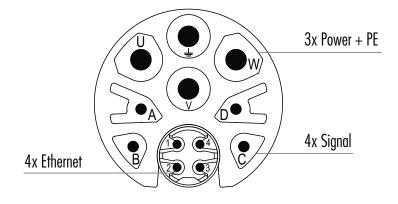
Electrical Data



The powerful all-in-one solution

The M 23 Hybrid is the compact all-in-one solution for power, Fast Ethernet and signal transmission. The connector combines CAT.5e data transmission with high power density. This makes the M 23 Hybrid the ideal solution for single cable applications in automation and robotics.

- // Numerous housing types
- // Modular design offers many variants
- // Screw or quick-lock fastener
- // TWILOCK-S: mateable with Speedtec





Electrical Data



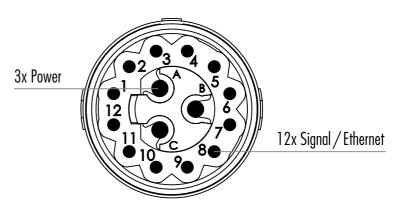


M 16 (12+3)

The proven and compact connection

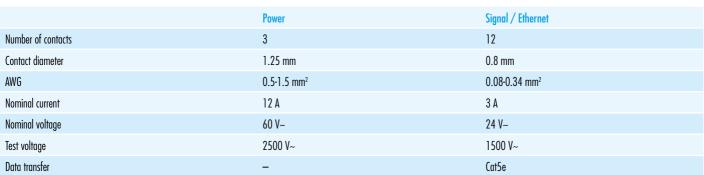
The M 16 connector (12+3) offers a proven solution with power processing up to 12 A and a data transfer rate of up to 100 Mbit/s. The user receives a compact connection solution with attractive performance.

- // Proven and compact solution
- // Power processing up to 12 A
- // Low space requirement, low weight
- // Perfect for narrow installation space and small devices





Electrical Data





HYBRID SOLUTIONS

M40 Hybrid / M23 Hybrid / M16 (12+3)

Hybrid solutions save time, space and money

Single-cable solutions with hybrid connectors (OCT – One Cable Technology) are becoming increasingly important in automation and robotics. They transmit power, signals and Ethernet in a single connection. This saves assembly time, space and money. HUMMEL AG's connectors are characterized by their absolute suitability for industrial applications. Metal housings protect the impact-sensitive contact inserts safely and reliably. The various housings, inserts and contacts can be combined and thus offer a large number of variants.

Hybrid solutions

- // Reduced number of connectors
- // Reduced assembly effort
- // UL and VDE approvals

// Mechanical protection of the contact inserts// Additional option: Combining different cables into one connector (multi-use)



Conventional cabling

The Industrial Ethernet solutions

The M23 RJ45 and M23 Profinet connector series ideally complement the HUMMEL Industrial Ethernet range. These two connection solutions are proven variants suitable for industrial applications for transmitting high data rates in automation and robotics. They are available in numerous housing designs. The robust metal housing provides reliable mechanical protection for the impact-sensitive contact inserts even in harsh environments.

M 23 Profinet

- // Data transmission up to the gigabit range
- // Five separate shield potentials
- // Secure data transfer without crosstalk
- // Four shielded Twinax inserts
- // Twelve additional positions for signal or power

M 23 RJ 45

- // Robust metal housing for RJ 45 patch cable
- // Industrial use of common network cables
- // Protection class IP 67 (connected)
- // Suitable for continuous operation or maintenance interface
- // Different designs for a wide range of applications



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