 **YAMAICHI**
ELECTRONICS
ENGINEERED TO CONNECT

 **MADE
IN
GERMANY**



Y-CIRC
S E R I E S



Y-CIRC M
M12 PUSH-PULL



Y-CIRC M M12 PUSH-PULL

The M12 push-pull with inner locking ensures quick and reliable locking without screwing. The cable-side connector engages deeply into the device box from the inside with the locking hook. As a result, the push-pull system requires exactly the same installation space as a common M12 connector with screw locking.

BACKWARDS COMPATIBLE

The push-pull device socket fits both M12 push-pull plugs and conventional plugs with M12 screw thread.

SAFE

Long locking hooks lock deep inside for maximum robustness – even with torsional loads. An intelligent sealing system seals against media entry as early as possible.

ROBUST

All important components are made of metal and the connector is optimally protected against external stress due to its design.

BLIND MATEABLE

Correct locking is confirmed by haptic and acoustic feedback.

TOOL-FREE

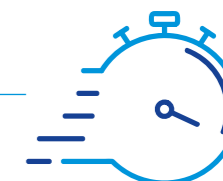
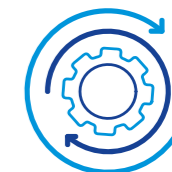
The push-pull connector is locked by hand, no tools needed.

TIME SAVING

Up to 75 % time savings compared to M12 connectors with screw locks.

SPACE-SAVING

Same space requirement as M12 with screw locking. The socket contour can be flush-mounted and fully integrated into the device.



CIRCULAR CONNECTOR VARIANTS

The portfolio of Yamaichi Electronics Germany offers you many other alternatives in different codings and designs. This allows you to connect the molded metric push-pull circular connectors to all common device-side sockets.

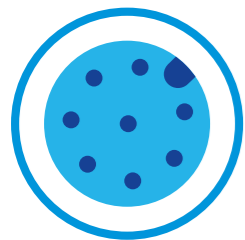
Both the Y-Circ M push-pull variants and the sockets are standardized according to IEC standard 61076-2-012. The connectors are available in angled and straight version. The sockets can be provided as a standard variant with single wires, PCB contacts or cable outlets.



Another option for integrating the M12 push-pull mechanism are two-part socket solutions. With a simple press-in sleeve, any commercially available insulator can be made push-pull capable.

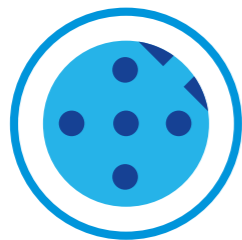
You can also benefit from the flexibility of our company, with production in Germany and the affinity for customer-specific solutions.

CODINGS & APPLICATIONS



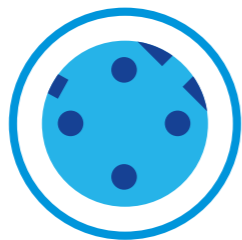
A

Sensors
Actuators
DeviceNet
I/O link



B

Profibus
Applications



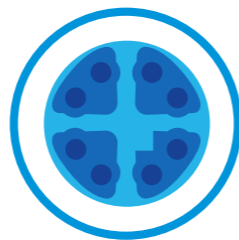
D

Industrial Ethernet
Profinet
Ethernet / IP
EtherCat
Max. 100 Mbit



L

Power transmission
(up to 16 A / 63 V)



X

CAT6_A High-Speed
Data transfer
(up to 10 Gbit)

PUSH-PULL UNLOCKING AID

The unlocking aid is compatible with all straight and angled M12 push-pull connectors. The retrofitable accessory is available in different colors and can therefore also serve as color coding. The optional release aid enables the push-pull circular connector to be unlocked even in recessed installation spaces, as it is no longer necessary to reach to the front part of the housing. This means that limited installation space can be used even more efficiently.



Y-CIRC CONFIGURATOR



ADVANTAGES

- Quick & easy configuration
- Download of data sheets, including all relevant information
- 3D models available online
- Assembly instructions
- Save specific Configurations

Y-CIRC
S E R I E S

Home of the Y-CIRC M



Manufacturing in Germany brings many customer benefits: Short delivery routes, hardly any lead times and fast on-site production are some of them. This enables us to respond to individual customer requirements and specifications at short notice and to implement them in a tailor-made manner. For example, we offer different cable assemblies in connection with the Y-Circ M circular connector. We develop specific circular connectors for our customers according to their requirements and can also implement these in smaller quantities.

Y-CIRC M M12 PUSH-PULL

Version March 2023

The specifications are subject to change without notice.

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