# Hiperface DSL

New Digital feedback system for SMB, controlled by the TPD-M family

## A cost saving motor feedback system which is safer, faster and easier to install

Parker now supports the HIPERFACE DSL® motor feedback system from Sick. This new and innovative interface permits encoder communication to be integrated into the motor power cable, completely eliminating the need for a separate feedback connection cable between the drive and motor. This will benefit machine builder by reducing both cabling costs and the machine installation time.


### Contact Information:

Parker Hannifin Italy Srl
Via Privata Archimede, 1
I-20094 Corsico MI

**Tel.** **+39 02 45 19 21**
**fax** **+39 02 4 47 93 40**
**parker.italy@parker.com**

www.parker.com/eme

## Features:

- Completely digital
- Synchronous, bidirectional, multi-channel
- Two wire connection within the motor power cable
- No need for resolver cable and connector
- Easy-to install

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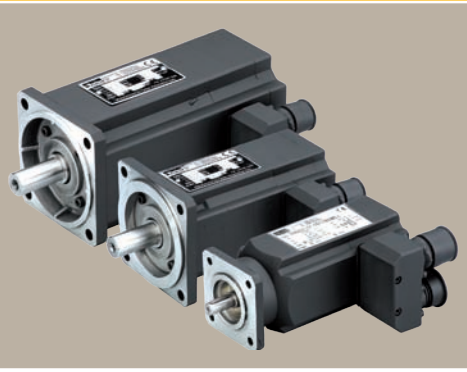
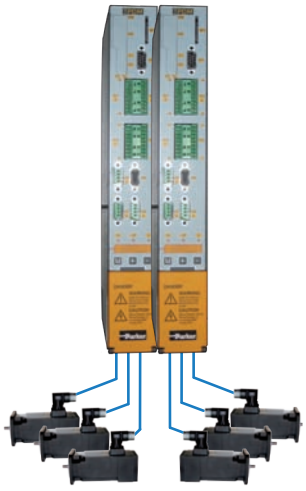
# Hiperface DSL interface

HIPERFACE DSL® is a purely digital encoder communication protocol that requires a minimum of connection wires between the servo drive and the motor feedback system. The robustness of the protocol allows connection of the motor feedback system to be made via just two wires in the motor power cable.
HIPERFACE DSL offers higher resolution feedback and faster data transmission speed.The absolute position determination, a resolution of up to 20 bits per turn, as well as 4096 maximum rotations, is unique in its class.
The DSL interface is available for SMB motors series.

| In the motor connection cable | Available for motors series SMB |
|---|---|
| • DSL encoder supply ✓<br>• Motor overtemperature signal ✓<br>• Position and speed information ✓<br>• Electronic motor nameplate ✓ |  |

# Triple Axis Servodrive TPD-M

TPD-M is a multi axis system where each power module can supply up to three servo motors. The base configuration consists of a common dc bus supply (PSU) and multiples TPD-M modules, connected through dc bus bars. The modules are available as one, two or three axis versions. This makes the system very flexible.
TPD-M drive will be the first servo drive to support DSL new and innovative feedback system.
The drive has been specifically designed for centralized automation structures which incorporate a large number of servo axes offering significant advantages.
TPD-M offers CANopen and EtherCAT interface options for simple and fast system integration.
Additional features include an integrate safe torque off function (STO), a USB interface for configuration and setup, plus an interface for a standard SD card for easy device exchange.
The electronic motor's name plate, optional, guarantees the immediate set-up of the drive system.





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