

DP SERIES

OPTIONS AND ACCESSORIES

PALLET CONTROL PC 6000



Product description

Interroll is expanding its decentralized control and drive concept, which has been used successfully for years with the Interroll 24 V DC RollerDrive and the Interroll MultiControl for zero-pressure-accumulation unit load handling. Now, the portfolio also includes a special solution, the new Interroll Pallet Control PC 6000, for 400 V AC drive technology.

The new intelligent control unit serves as a link between the 400 V AC Pallet Drive and Interroll's proven 24 V MultiControl, which again provides the complete logic for zero-pressure-accumulation conveyors. However, this solution eliminates the need for centralized PLC cabling and PLC programming.

The integrated soft start function reduces the starting torque, which relieves the load on all mechanical components. This in turn provides optimum pallet acceleration. Pallet overrun after the Pallet Drive has been switched off is also regulated by Pallet Control.

The new control offers many functions and supports preventive maintenance. The Pallet Control Configurator, which can be downloaded from the Interroll website, allows to easily change parameters or modify the direction of rotation via the USB connection of the Pallet Control, without having to move and replug cables. Current and power can be monitored and the current status is displayed. In addition, the total operating time of the respective Pallet Drive is displayed, which allows to preventively arrange the necessary maintenance. This reduces maintenance requirements and possible downtimes to a minimum.

A thermal controller contact and continuous analysis of current consumption protect the Pallet Drive against overload. The optional brake in the Pallet Drive is also activated via Pallet Control. Alternatively, Pallet Control can be activated via other 24 V digital inputs or a 0 – 10 V DC analog input.



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Technical data

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|---|---|
| Rated voltage | 3 x 400 V AC 50 Hz; 24 V DC |
| Voltage range | 380 – 420 V AC 50 Hz; 22 – 26 V DC |
| Current consumption | Max. 3 A @ 400 V AC; max. 2 A @ 24 V DC Max. 10 A @ 400 V AC; max. 2 A @ 24 V DC |
| Protection rate | IP54 |
| Weight | 0.5 kg |
| Ambient temperature in operation | –28 °C to +40 °C (–22 °F to +104 °F) |
| Ambient temperature during transport and storage | –40 °C to +80 °C (–40 °F to +176 °F) |
| Max. temperature change | 1 K/min, 3 h, 2 cycles |
| Max. relative humidity | 93 % at +40 °C (+104 °F), 14 days, non-condensing |
| Max. installation height above sea level | 1000 m. Installation in systems at an altitude above 1000 m (3300 ft) is possible in principle. However, this may result in lower performance values. |