

PDS90

24V | 48V



Our 90° High-Speed Switch Unit for 24V | 48V applications.

The Pulse Divert Switch 90 transfer unit for 24V and 48V applications is the logical further development of our classic 90° transfer unit. Thanks to the new transfer concept, in which the roller bed and transfer belts move alternately, the PDS90 achieves a throughput of 1.800+ parcels per hour.

General Technical Data

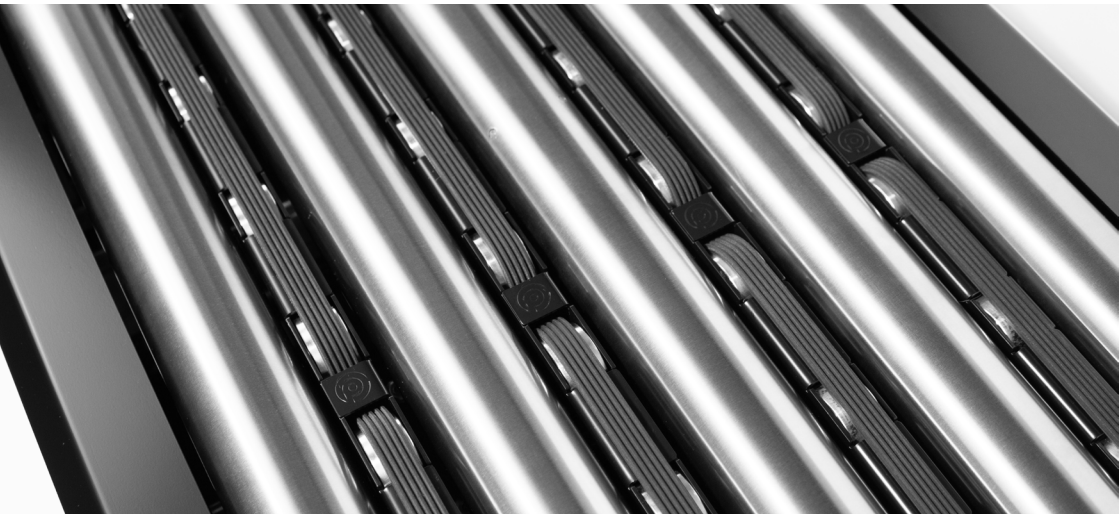
- **Voltage:** 24V | 48V DC
- **Dimensions:** 400 - 863mm (BF) / 7 standard variants
- **Maximum Load:** 50kg (up to 100kg optional)
- **Switching Stroke:** 10mm
- **Connection:** M8 - 4Pin Connector
- **Ambient Temperature:** 5°C – +40°C (Standard) | -30°C – 5°C (Freezer)
- **Ambient Humidity:** 10% – 90% (No Condensation)
- **Zertifikate:** UL, CE, UKCA, RoHS, REACH

Benefits

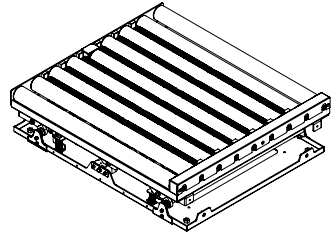
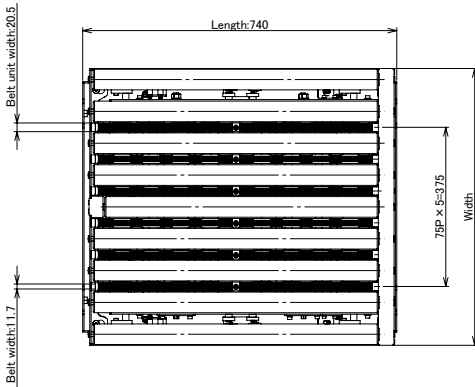
- **Up to 50% higher throughput**
- **Maximum layout flexibility with 7 variants**
- **Constant conveying level for gentle handling**
- **Higher system availability**
- **No belt retensioning required**
- **Long-lasting, industrial-grade reliability**

Features

- **New transfer concept**
- **Throughput of 1,800+ packages per hour**
- **Broken belt detection**
- **Top-access maintenance design**
- **Designed for 24V and 48V applications**
- **Available in standard and freezer versions**



Reference Drawing for PDS90



The PDS90 is a modular 90-degree transfer unit for high-performance, flexible and safely designed conveyor systems. Its scalable design means it is available in seven configuration variants and covers installation lengths (BF) from 400mm to 863mm. This allows the unit to be precisely adapted to different system layouts and material flows.

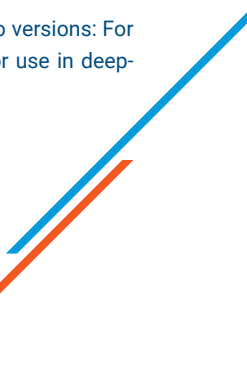
Designed for 24V and 48V systems, the PDS90 enables a significant increase in throughput. With a capacity of 1.800+ pieces per hour, it offers a significant increase in conveyor capacity compared to conventional 90-degree transfer units with around 1.200 pieces per hour. Loads of up to 50 kg can be handled reliably.

The transfer of the conveyed goods is stroke-free. When switching between roller beds and transfer belts, the conveying level remains unchanged so that the conveyed

goods are not lifted. This ensures a smooth, material-friendly transition and supports a continuous, trouble-free material flow – even with sensitive or heavy goods.

A maintenance-friendly design concept contributes to high system availability. All service work can be carried out via the top access – there is no need to crawl under the conveyor. In addition, there is no need to retension the belts, which reduces maintenance and minimises unplanned downtime. Integrated broken belt detection supports rapid fault localisation and helps to further reduce downtime.

The PDS90 is available in two versions: For standard applications and for use in deep-freeze environments.



Pulse Divert Switch 90 for 24V | 48V applications.



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Learn more
about us!

