Conveyor system closures
> Doors that matter.
Your specialist for tailor-made solutions

**Design & Construction**
> Over 70 years of experience in the field of door and gate construction
> 3D CAD constructions
> Individual and customer-specific solutions

**Manufacturing**
> Production in the in-house fabrication on a surface of over 17,300 m²
> Own production hall for stainless steel doors and gates
> Two painting cabins with drying plant

**Electrical engineering**
> Pioneering component technology
> High quality standards made possible by our own control and switchboard construction
> Adaptation to individual customer request

**Project Management**
> Administrative coordination
> Support during acceptance tests
> Delivery, installation and commissioning by our own assembly teams

**Service & Maintenance**
> Specialised staff for specified inspection and maintenance
> If necessary, rapid support by our highly qualified service staff
> Extensive vehicle fleet
Our expertise, ensuring your safety

- Fire protection
- Smoke protection
- Burglary-resistant
- Explosion protection
- Bullet-resistant
- Radiation protection
- Flood protection
- Sound protection
- Earthquake protection
- Blast-resistant
- Air permeability
- HPEM protection

Conveyor system closures – our references

Product overview

> Conveyor system closures

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System components

Conveyor system closures

Installation in different types of wall, e.g. concrete/armoured concrete, masonry, gas concrete, as well as sheathed steel constructions.

Conveyor system
many designs possible for interrupted or continuous systems.

Transported material
controlled clearing of the closing area.

Sensor technology
for the monitoring of the closing area.

Sealing element
for the sealing of various kinds of conveyor systems.

Fire detection
smoke and heat detectors.

Hold-open device

Hold-back facility

Locking mechanism
for a safe and regulated locking through mechanical energy accumulation.

Opening Aid
manually controlled or motor-driven reopening possible.

Sliding leaf
automatic closing operation in many closing directions possible.

Fire protection

many designs possible for interrupted or continuous systems.

Sensor technology
for the monitoring of the closing area.
Sliding elements, single-leaf
> Conveyor system closures

Building inspectorate approval: Z- 6.6 -1993
Classification: DIN 4102-5
Class: T90
Wall opening (W x H): 200 x 200 mm to 3,600 x 3,400 mm
Closing directions: 

> Sliding leaf realizable in segment design
> Sliding leaf either with or without sheet metal covering (t = 1.0 mm)
> Floor-level or high-level installation possible
Lifting/ lowering elements, single-leaf
> Conveyor system closures

Building inspectorate approval: Z- 6.6 -1993
Classification: DIN 4102-5
Class: T90
Wall opening (WxH): 200 x 200 mm to 3,600 x 3,400 mm
Closing directions:

> Sliding leaf realizable in segment design
> Sliding leaf either with or without sheet metal covering (t = 1.0 mm)
> Floor-level or high-level installation possible

Leopold Verpackungen, Ludwigsburg
Kronospan GmbH, Gaggenau
Dehner GmbH & Co. KG, Rain
Hinged door, single-leaf
> Conveyor system closures

Building inspectorate approval: Z-6.6-1994
Fire resistance: tested according to DIN EN 1366-7
Classification: DIN 4102-5
Class: T90
Wall opening (W x H): 600 x 700 mm bis 1,200 x 3,500 mm
Closing directions: 

> Hinged door leaf either with or without sheet metal covering (t=1.0 mm)
> Floor level or high-level installation possible
> Conveyor system realizable as overhead conveyor or bottom running system
Slider for ceiling and floor installation
> Conveyor system closures

Ritter-Sport GmbH & Co. KG, Waldenbuch
Nolte-Küchen GmbH & Co. KG, Löhne (under construction)

Building inspectorate approval: Z- 6.6 -1993
Classification: DIN 4102-5
Class: T90
Wall opening (W x H): 200 x 200 mm to 1,000 x 1,500 mm
Closing directions: > Used for conveyors between different levels
> Designed for small spaces
> Mounting position possible above or below the ceiling
> Different designs of continuous conveyor systems possible
> Sliding leaf either with or without sheet metal covering (t = 1.0 mm)
Sliding elements, double-leaf

> Conveyor system closures

**Building inspectorate approval:** Z- 6.6 -1993  
**Classification:** DIN 4102-5  
**Class:** T90  
**Wall opening (WxH):** 200 x 200 mm to 3,600 x 3,400 mm  
**Closing directions:**

> Asymmetrical configuration of the door leaves possible  
> Sliding leaf either with or without sheet metal covering (t = 1.0 mm)  
> Executable as overhead or floor conveyor profile, and floor-level or high-level installation possible  
> Tested with thermal non-interrupted, continuous conveyor profile

Power and Free system
Hinged doors, double-leaf
> Conveyor system closures

Building inspectorate
approval: Z- 6.6 -1994
Fire resistance: tested according to DIN EN 1366-7
Classification: DIN 4102-5
Class: T 90
Wall opening (WxH): 1,200 x 700 mm to 3,000 x 3,500 mm
Closing directions: 

> Asymmetrical configuration of the door leaves possible
> Sliding leaf either with or without sheet metal covering (t = 1.0 mm)
> Executable as overhead or floor conveyor profile, and floor-level or high-level installation possible
> Tested with thermal non-interrupted, continuous aluminium conveyor profile Power and Free system
Hodapp printed circuit board System

> Control system

VdS tested system approved by the building authorities:

- FAA: Z-6.5-2225
- FSA: Z-6.5-2226

Degree of protection: IP65
Dimension (B x H x T): 380 x 380 x 210 mm
System highlights

> Especially harmonized system components
> Very high flexibility based on configurable components
> Significant reduction of time planning thanks to use of standard components
> Sample circuit diagrams enable a project planning without a complex coordination and waiting times
> Short delivery times thanks to the use of prefabricated standard components
> Compact control consoles enable an operation even under unfavourable conditions
> Simplified assembly and cabling through an optimal designed system structure
> Reduction of start-up costs by customer-specific standards
> Flexible extension requiring only little time and no high planning costs
> Quick change device for all system components

> Application range from single system up to Bus system for complex applications
> Multilingual evaluation software for status information and events
> System data storage on a memory card integrated in the control unit
> Data export function for remote maintenance included
> Compact decentralized switch device unit for conveyor drive systems
> High performance emergency power supply from 2 kW up to 9 kW
Smart control system
> Components

**HPS EVOLUTION**
> Hold-open devices for fire protection doors or gates
> Control of several independent fire protection doors or gates
> Application range from single system up to Bus system for complex applications
> Substitute power supply according to DIN EN54-4/A2 for 1 to 4.5 hours
> Multilingual touch panel and visualization of over 30 states
> Evaluation of 20 fire detectors
> Monitoring of the closing area for several conveyor sections
> System data storage and fault memory on removable memory card
> Transfer of parameter settings in case of a changeover to new hardware without system interference according to the DIBt/VdS requirement
> PC connection by USB interface for status information
> Potential-free configurable interface to the conveyor technique
> Compact extension module for additional operating stations
> Integrable operating mode key switch
> Protection class: IP65 – according to most of the industrial applications

**HPS CONTROL**
> PC application for system monitoring
> Connection over USB interface
> Multilingual software in available languages
> Integration of the system documentation
> Display of all current statuses of the control units
> Data export function for remote maintenance
Control unit to clear the closing area
Compact decentralized switch device unit for conveyor drive systems
Standardized components with quick change function
Design of the components in different versions depending on the drive system
Integration of emergency stop coupling according the personal security requirement
Exchangeable printed circuit board for the rapid adaptation to different conveyor drives
Protection class IP65 – according to most of the industrial applications

Emergency power supply in case of power failure or loss of voltage
Power range supply from 2 kW to 9 kW – active power
Parallel provision of 24 VDC/3~ 230VAC/3~ 400VAC possible
Provision of 24 V for the buffering of the conveyor technique emergency stop system
Independent control with different voltages for the conveyor drives
Charging device according to EN 54-4 A2 with battery monitoring
Compact system cabinet for free positioning in the plant
Protection class IP54 – use also possible with sprinkler systems
Fire protection doors and gates

Smoke protection doors

Water protection doors

Sound insulating doors

Burglary resistant doors

Bullet resistant doors

Multipurpose doors

Multipurpose sliding doors

Folding gates

Tunnel doors

Facility protection gates

Prison cell doors

Conveyor closures

Liftable gates

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