

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

Air Base Ramstein · Backstube Wünsche GmbH, Gaimersheim · Bahlsen GmbH & Co. KG, Hannover · Bierbaum Brandschutz GmbH, Bremen · Borealis Polylefine GmbH, Schwechat (Österreich) · Castro Brandschutz GmbH, Feuchtwangen · Ceka-Büromöbelwerke GmbH & Co. KG, Alsfeld · Daimler AG, Rastatt, Sindelfingen, Würth · Dehner GmbH & Co. KG, Rain · DHL Rheinland Pfalz · Ehrmann AG, Oberschöneck · Ernst Wagner GmbH & Co. KG, Reutlingen · Fischer Edelstahlrohre GmbH, Achern · Gutta Werke GmbH, Schutterwald · Helios Klinikum Erfurt · Koch, Neff & Volckmar GmbH, Stuttgart · Kronospan GmbH, Gaggenau · Leopold Verpackun-

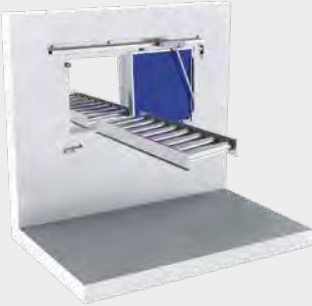
gen GmbH, Ludwigsburg · Louis Motorradvertrieb GmbH, Hamburg · Mfi AG, Benningen · Nolte-Küchen GmbH & Co. KG, Löhne · Porsche AG, Zuffenhausen · Rege Motorenteile GmbH, Wittenhausen · Remondis Anlagentechnik, Troyes (Frankreich) · Ritter-Sport GmbH & Co. KG, Waldenbuch · Salomon Automation GmbH, Friesach (Österreich) · Rhein-kraftwerk Iffezheim GmbH, Iffezheim · Stöcklin Logistik AG, Aesch (Schweiz) · Südbayerische Fleischwaren GmbH, Traunstein · Toho Tenax Europe GmbH, Heinsberg · Vipa GmbH, Herzogenaurach · Volkswagen AG, Hannover · Wolf Wurstwaren GmbH, Schwandorf · Zott GmbH & Co. KG, Mertingen



Product overview

> Conveyor system closures

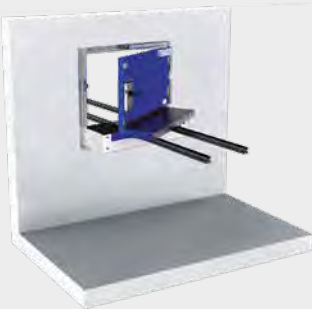
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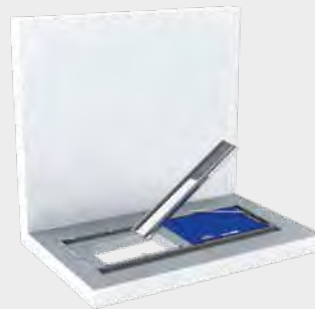
Page 6
> Sliding elements,
single-leaf



Page 7
> Lifting/ lowering
elements, single-leaf



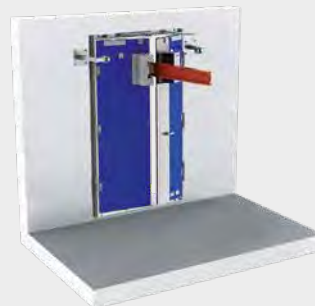
Page 8
> Hinged doors,
single-leaf



Page 9
> Slider for ceiling and
floor installation



Page 10
> Sliding elements,
double-leaf



Page 11
> Hinged doors,
double-leaf

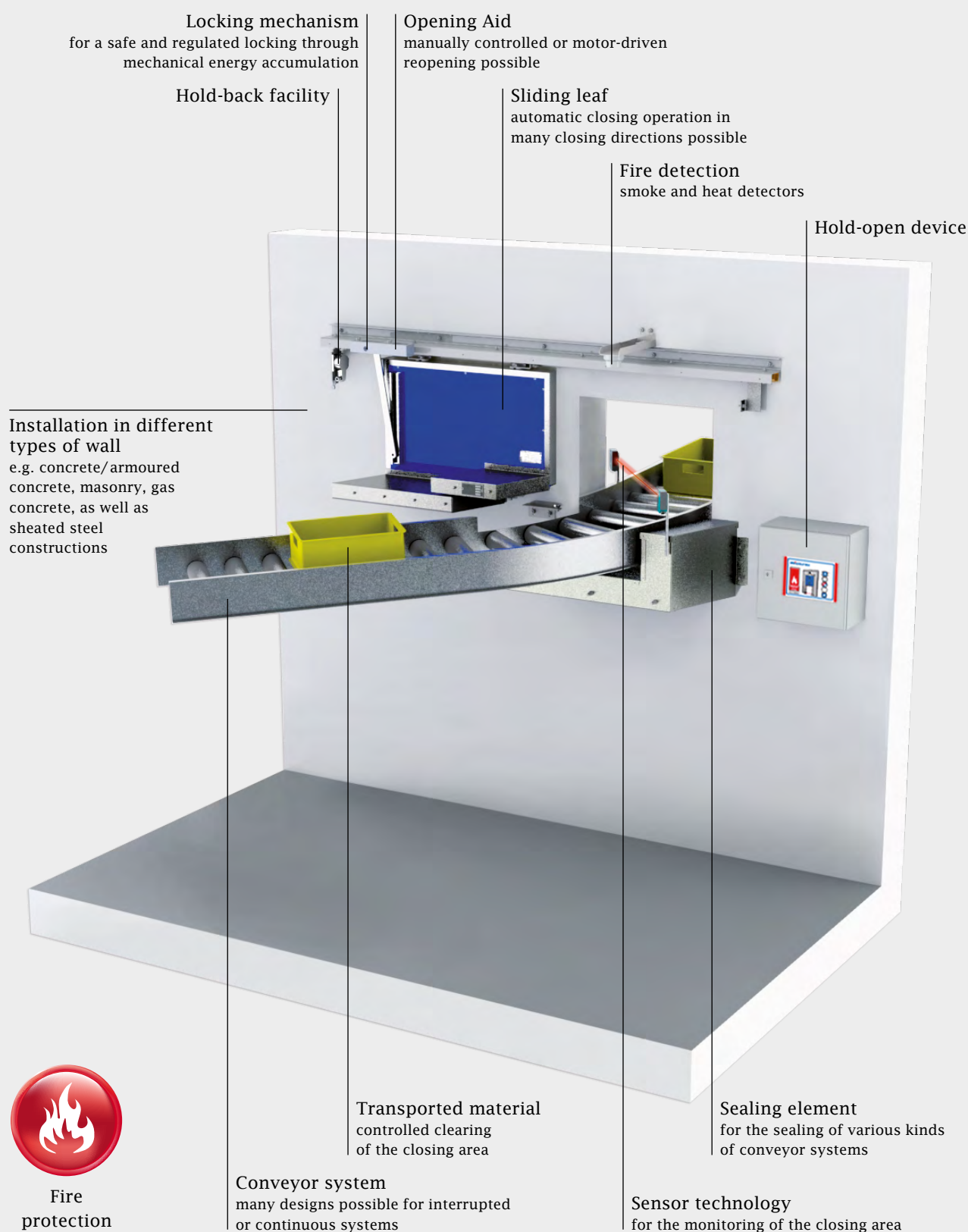


Page 12
> Hodapp printed circuit
board System

System components

> Conveyor system closures

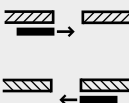
5



Sliding elements, single-leaf

> Conveyor system closures

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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



Daimler, Rastatt



Geberit Vertriebs GmbH, Pfullendorf



Ritter Sport, Waldenbuch



Lifting/ lowering elements, single-leaf

> Conveyor system closures

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Building inspectorate approval:

Z- 6.6 -1993

Classification:

DIN 4102-5

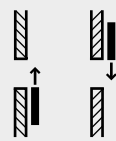
Class:

T90

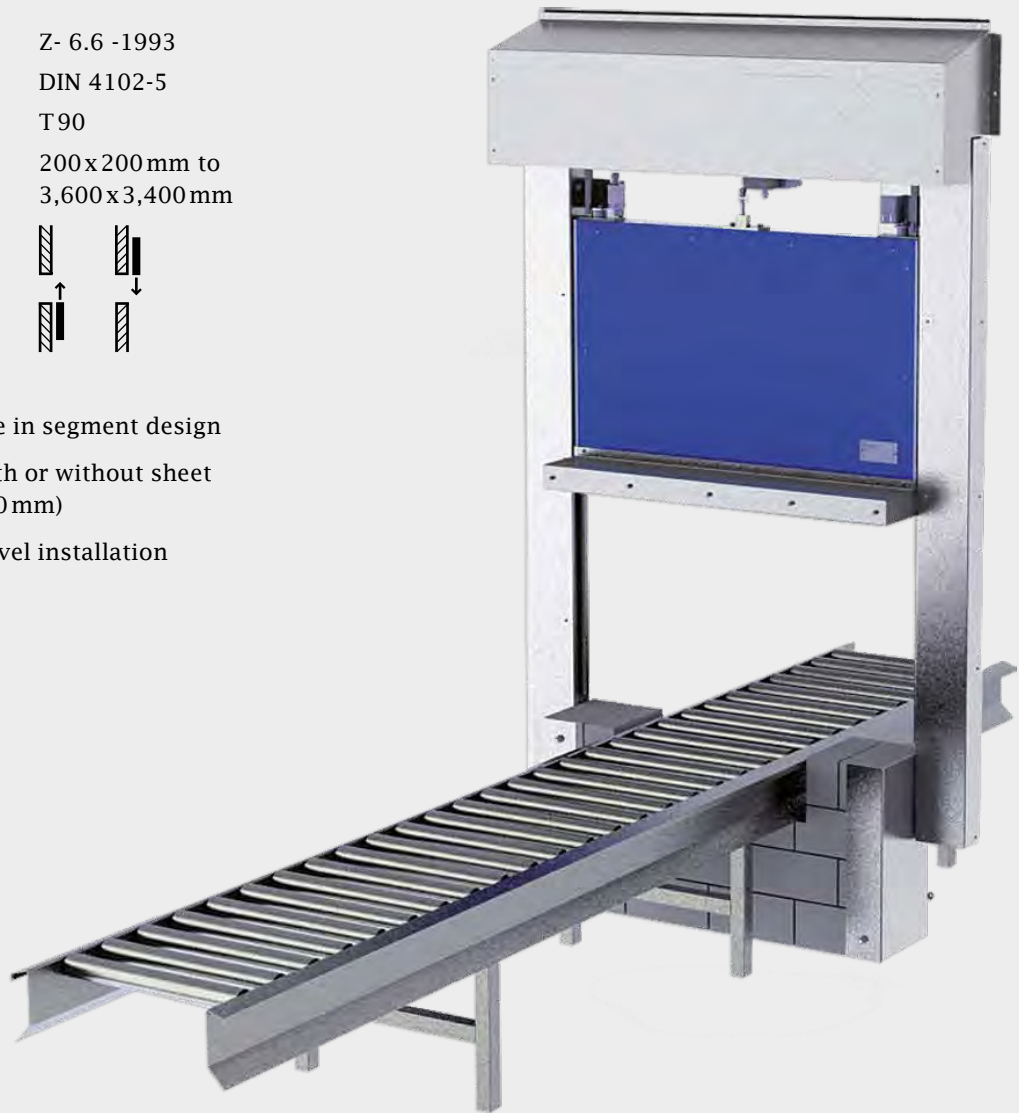
Wall opening (W x H):

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



Leopold Verpackungen, Ludwigsburg



Kronospan GmbH, Gaggenau



Dehner GmbH & Co. KG, Rain

Hinged door, single-leaf

> Conveyor system closures

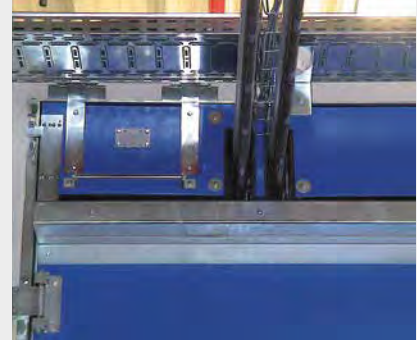
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Vipa GmbH, Herzogenaurach



DHL, Rheinland Pfalz



Sealing of the Power and Free System

Building inspectorate approval:

Z- 6.6 -1994

Fire resistance:

tested according to
DIN EN 1366-7

Classification:

DIN 4102-5

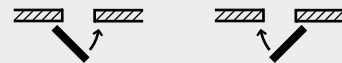
Class:

T 90

Wall opening (WxH):

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

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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

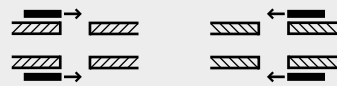
Class:

T 90

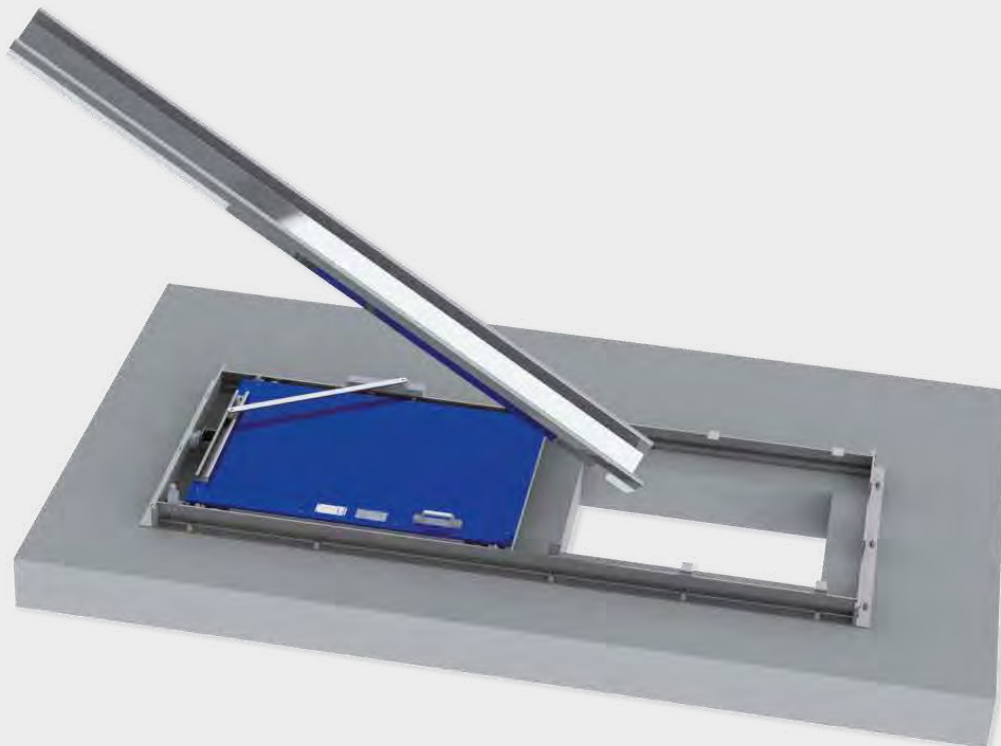
Wall opening (W x H):

200 x 200 mm to
1,000 x 1,500 mm

Closing directions:



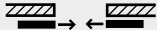
- > Used for conveyors between different levels
- > Designed for small spaces
- > Mounting position possible above or below the ceiling
- > Different designs of continuous conveyor systems possible
- > Sliding leaf either with or without sheet metal covering (t=1.0 mm)



Sliding elements, double-leaf

> Conveyor system closures

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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: 

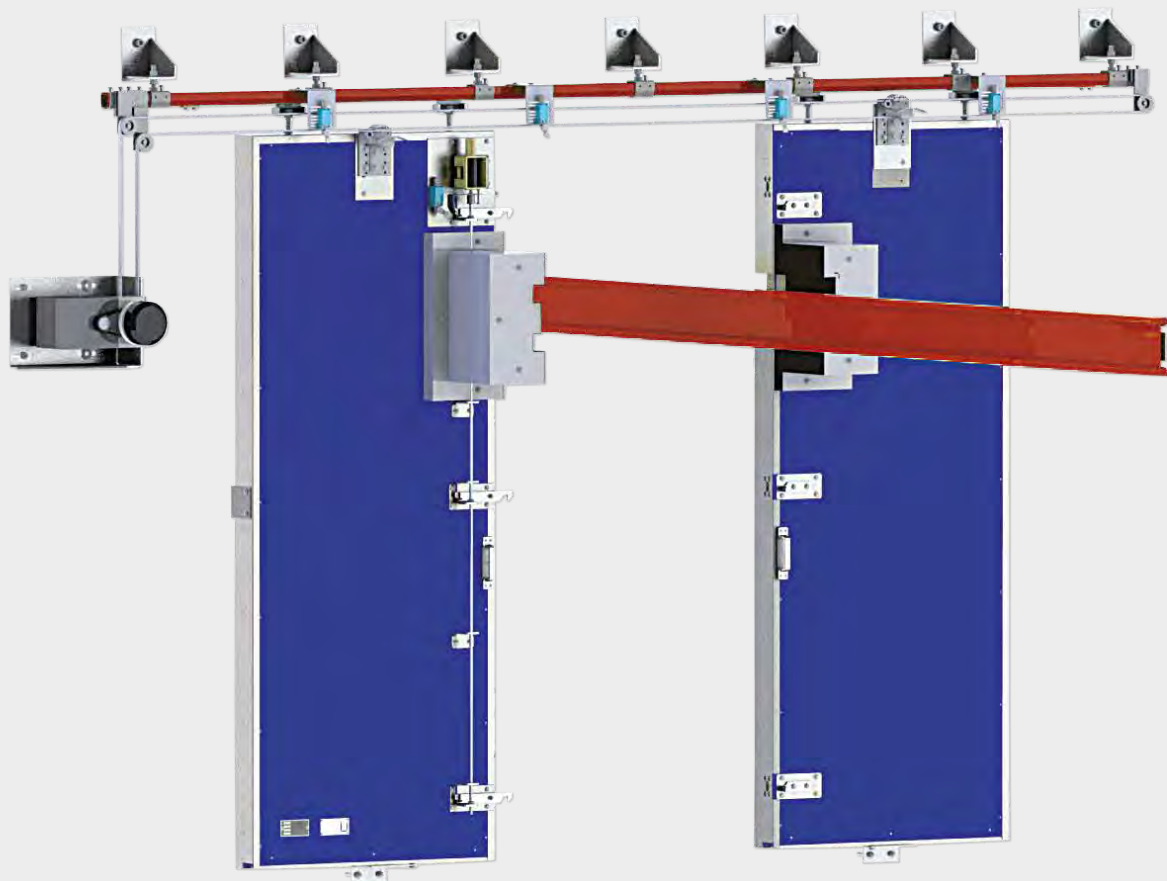
- > Asymmetrical configuration of the door leaves possible
- > Sliding leaf either with or without sheet metal covering (t= 1.0 mm)
- > Executable as overhead or floor conveyor profile, and floor-level or high-level installation possible
- > Tested with thermal non-interrupted, continuous conveyor profile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



Daimler AG, Düsseldorf



Daimler AG, Bremen



Hinged doors, double-leaf

> Conveyor system closures

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Building inspectorate approval:

Z- 6.6 -1994

Fire resistance:

tested according to
DIN EN 1366-7

Classification:

DIN 4102-5

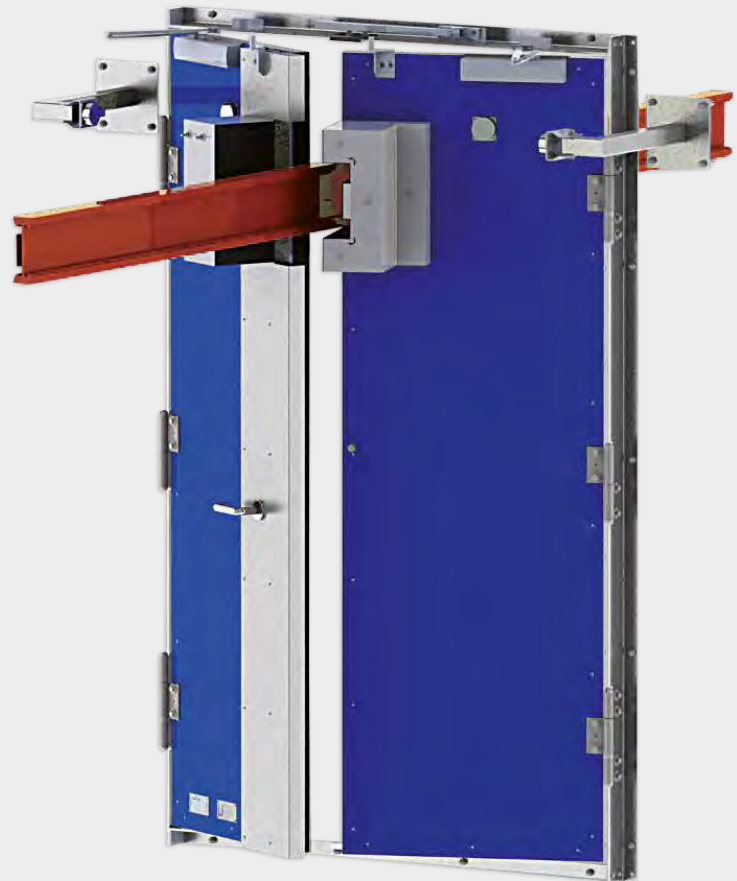
Class:

T 90

Wall opening (W x H):

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



Daimler AG, Sindelfingen



Geberit Vertriebs GmbH, Pfullendorf

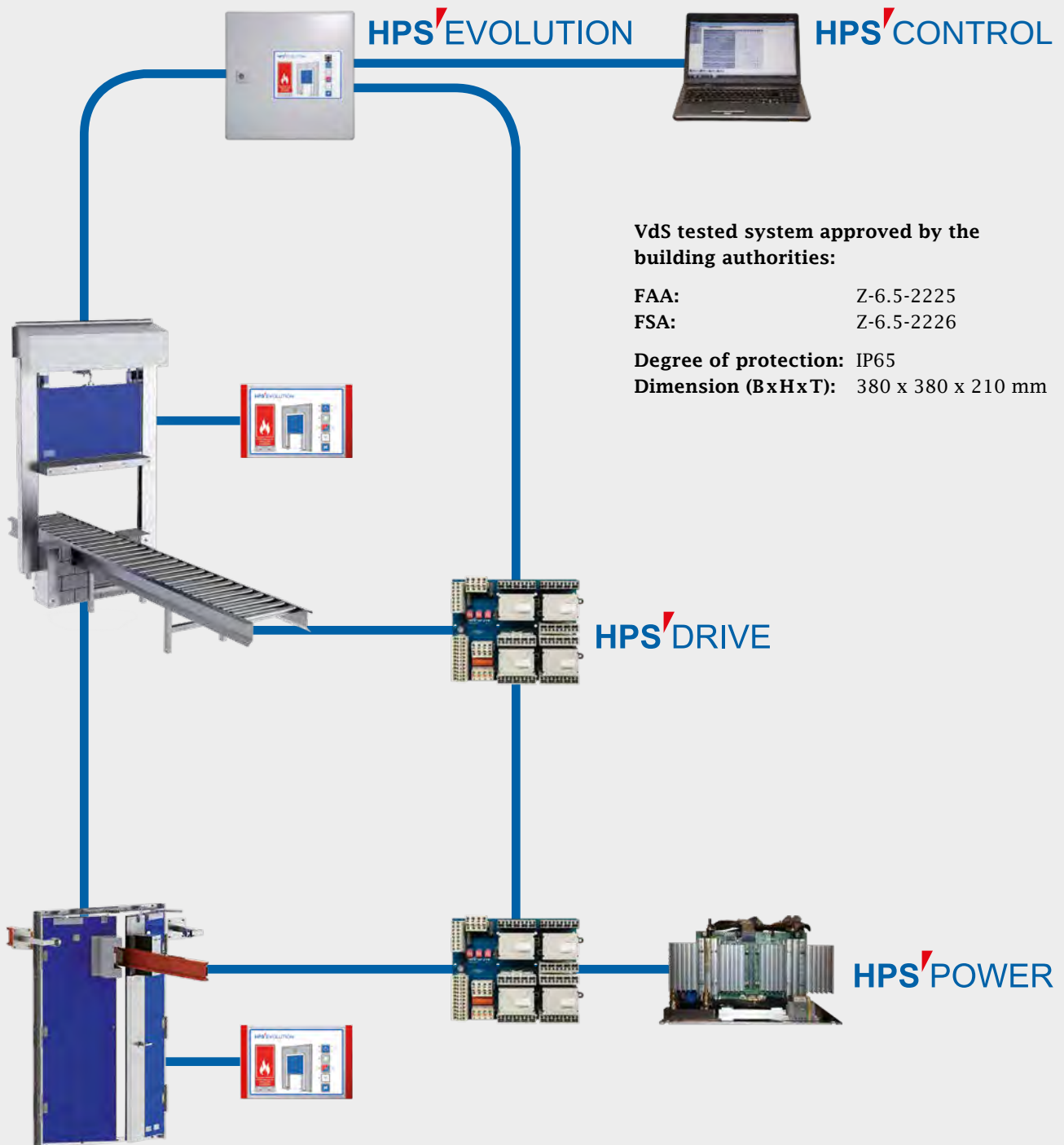


Fire test, MPA Braunschweig

Hodapp printed circuit board System

> Control system

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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

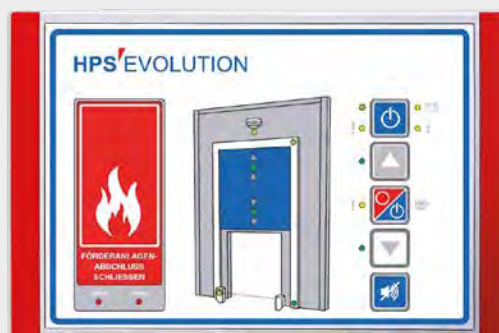
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HPS'EVOLUTION

- > 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



HPS[!]DRIVE

- > 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

HPS[!]POWER

- > 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~ 230 VAC/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