

RFID system ID 15

Identification system ID 15



The ID15 identification system enables the reliable and fast identification of workpieces. The data tags can not only be mounted on or below the workpiece pallet, they can also be fully integrated in the workpiece pallet. Short access times with a high level of immunity to interference and high availability are the main system features.

The read/write head (SLK) provides a direct connection to the actuator sensor level with AS-i via M12 connectors.

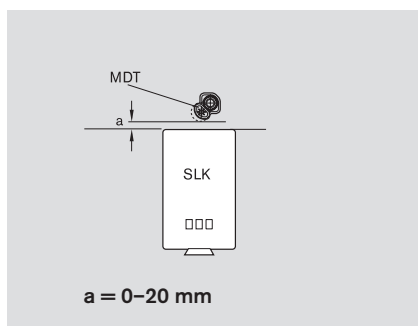
The ID 15 enables dynamic data transmission: when passing at a distance of "a" and at a transport speed of up to 20 m/min.

A separate antenna with a USB connection, in conjunction with the ID15 diagnosis software, makes it possible to easily and quickly initialize the data tag.

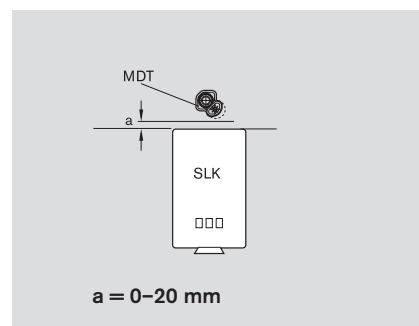
A user manual, current information and software can be downloaded at www.boschrexroth.com/RFID



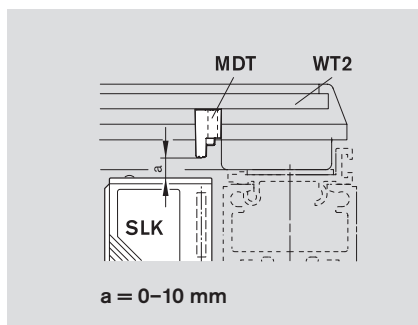
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Front transmission area



Side transmission area



Top transmission range

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Read/write head ID 15/SLK



The read/write head (ID 15/SLK) is used to transfer workpiece data between the MDT.../28-L and an AS-i bus master for controlling workpiece pallets in Rexroth transfer systems.

Max. 15 bit user data can be written on or read from an MDT.../28-L using ID 15/SLK.

The SLK can be easily installed in the Rexroth TS 1, TS 2*plus*, TS 4*plus* transfer system as well as the VarioFlow chain conveyor system using standard mounting kits. Direct connection to AS-i via M12 connectors (can be swiveled by 270°).

Three LEDs indicate

- Operational readiness (green)
- Presence of a data tag in the field (yellow)
- Malfunction (red)

Scope of delivery: Read/write head

Required accessories:

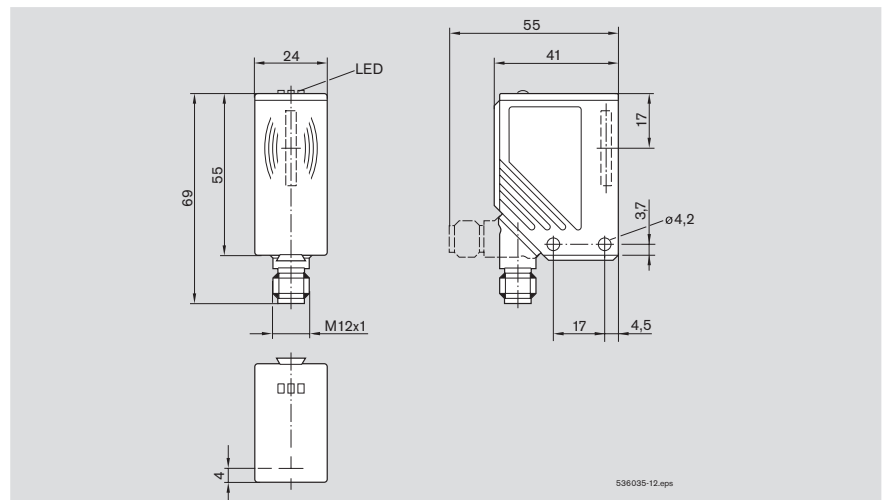
Mounting kit corresponding to application case 4-6

Read/write head ID 15/SLK

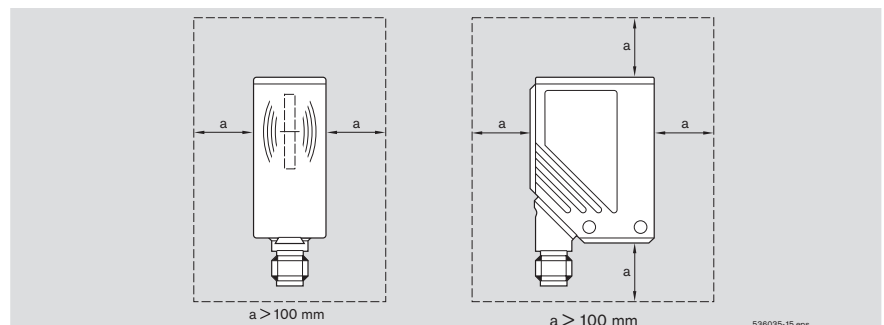
	No.
ID 15/SLK	3 842 406 960



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536035-15.eps

Operating voltage (via AS-i power supply)	26.5 to 31.6 V
Power consumption	Max. 0.1 A
Field bus connections	AS-i, profile 7.4
Status displays	3 LEDs
Protection class	IP67
Housing material	PA
Ambient temperature	–20 to +60°C
Storage temperature	–25 to +80°C
Humidity	95%
Vibration resistance EN 60068-2-6	20 g (10 to 2000 Hz)
Shock and impact resistance EN 60068-2-29	40 g/6 ms
Shock and impact resistance EN 60068-2-27	50 g/11 ms
Approvals	EN 300330, EN 61326, CE, FCC
Mass	0.1 kg
Max. write/read distance	
– Static	20 mm
– Dynamic (v = 20 m/min)	15 mm
Min. distance between two write/read heads	400 mm (read and write) 200 mm (read only)