

CMS-RH-BYB-03VL (Order no. 113209)

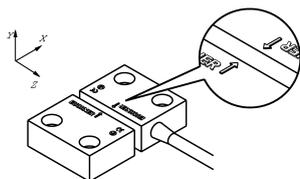
Read heads CMS with Hall sensors – design B

- ▶ In combination with evaluation units CMS-E-ER/CMS-E-FR
- ▶ Cube-shaped version, 36 x 26 mm
- ▶ 1 LED
- ▶ Hard-wired encapsulated cable made of PVC, 3 m



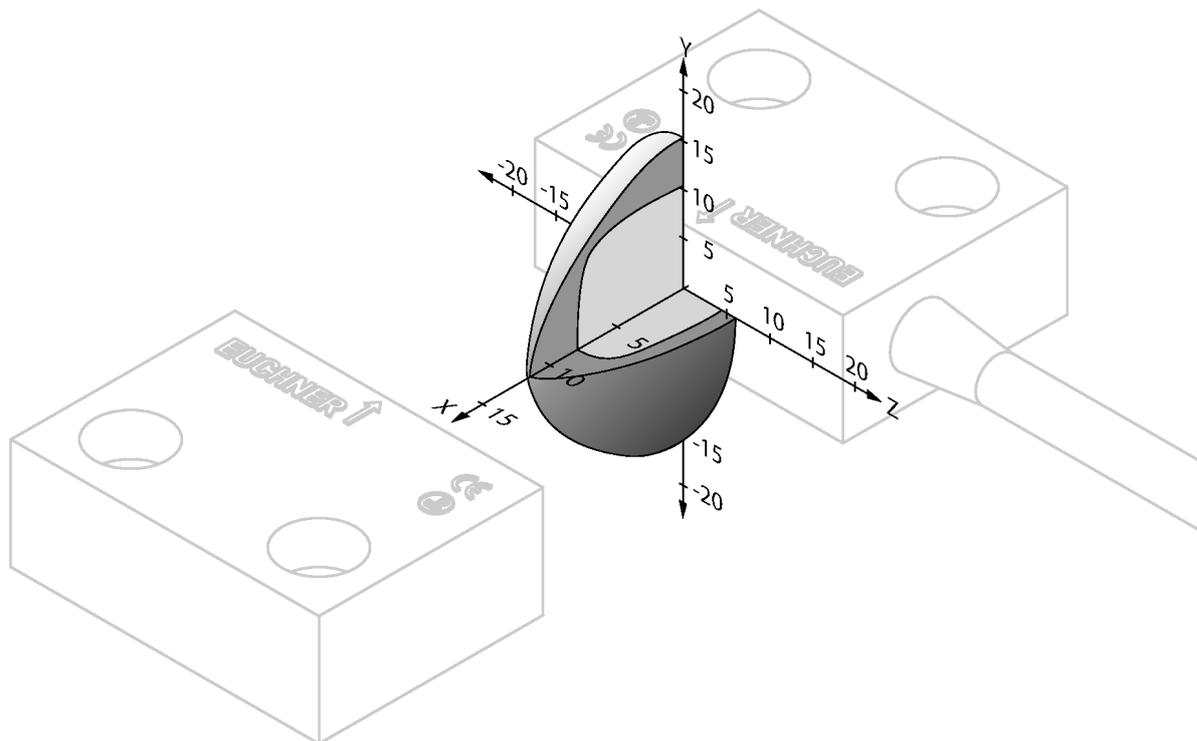
Important: Actuators must be ordered separately!

Alignment of read head and actuator



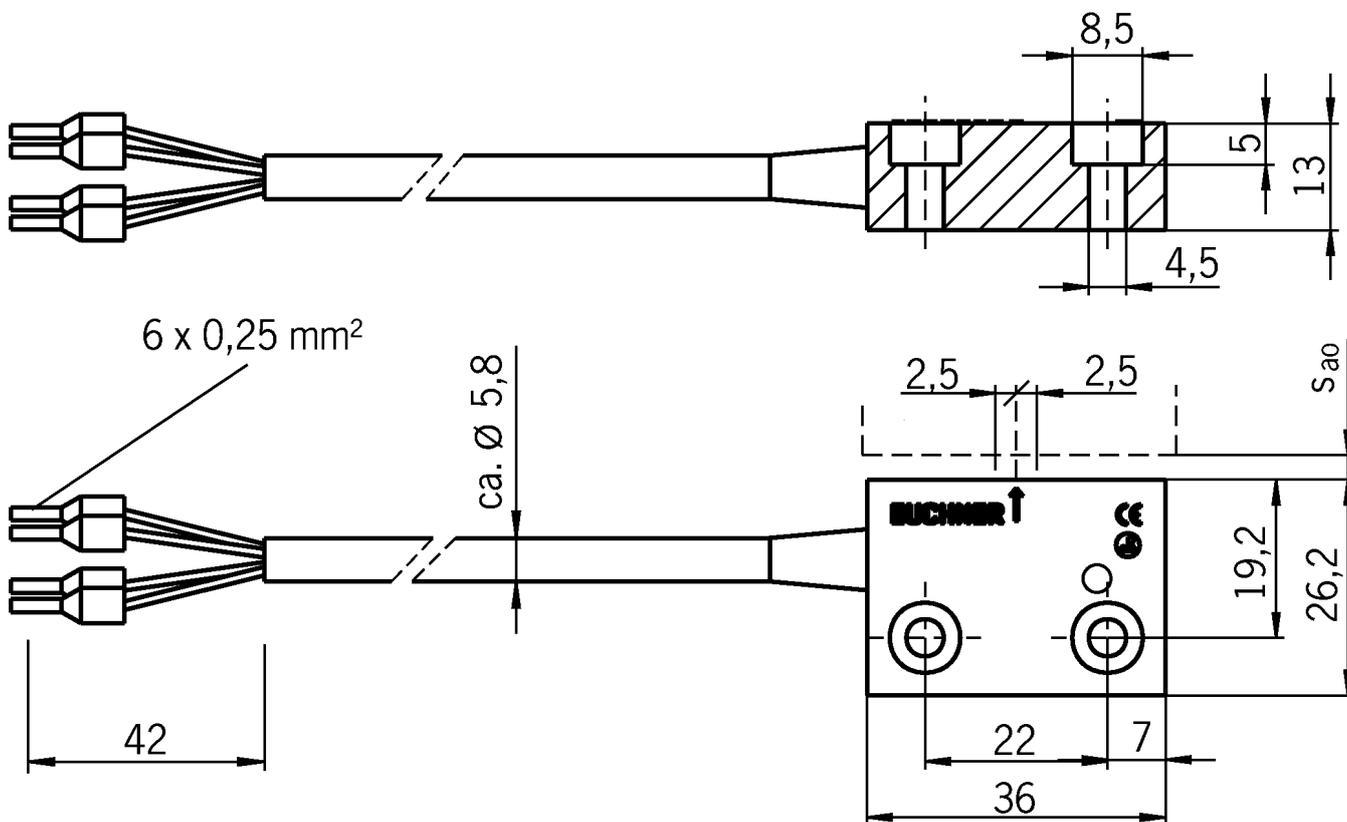
Operating diagrams, design B

CMS-RH-BYB



- ▶ Typ. operating distance
- ▶ Typ. release distance

Dimensional drawings



Technical data

Workspace

Secured switch-off distance s_{ar}	max. 13 mm (The assured release distance s_{ar} corresponds to the reset distance.)
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Secured switching distance s_{ao}	
with center offset $m=0$	min. 6 mm (Figure only applies if there is no ferromagnetic material in the vicinity of the read head and the actuator.)

Operating and display elements

LED display	1 LED green
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Electrical connection values

Switching voltage	
	DC 20 ... 35 V

Switching current	max. 15 mA
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Switching characteristics	NO + NC
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Current consumption	max. 35 mA
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Mechanical values and environment

Connection type	hard-wired encapsulated cable with cable end sleeves 0.25 mm ²
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Number NC contacts	1 NC contact
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Number of NO contacts	1 NO contacts
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Tightening torque	0.4 ... 0.5 Nm
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Design	B
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Installation orientation	any
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Storage temperature	-25 ... 70 °C
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Cable length	3 m
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Mechanical life	100 x 10 ⁶
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Degree of protection	IP67
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Ambient temperature	-5 ... 55 °C
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