

ITEM 085743 CMS-R-EXM-05V

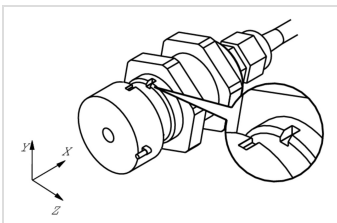
Description	Technical data	Accessories	Downloads
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Features

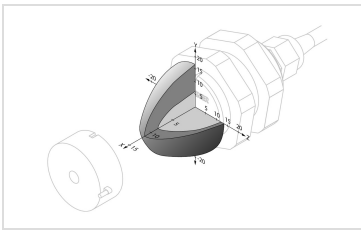
- › In combination with evaluation units CMS-E-BR/CMS-E-ER/CMS-E-FR
- › Cylindrical version M30
- › Connection cable
- › Cable type: PVC

Alignment of read head and actuator



› Figure

Operating diagram, design E



➤ CMS-R-EXM

Typ. switch-on distance

Typ. switch-off distance

Approvals



Mechanical values and environment

Design	E
Material	
Cable material	PVC
Housing material	Fiber glass reinforced PPS
Weight	
Net	0,29 kg
Ambient temperature	-20 ... 60 °C
Degree of protection	IP67
Resilience to vibration	In acc. with EN 60947-5-2
Mechanical life	100 x 10 ⁶
Installation position	Any, pay attention to marking ^[1]
Tightening torque	0,4 ... 0,5 Nm
Number of NC contacts	1 NC contact
Number of NO contacts	1 NO contact
Connection	Hard-wired encapsulated cable with cable end sleeves 0.34mm ²
Cable length	5 m
Method of operation	Magnetic, reed contact

Electrical connection ratings

Rated insulation voltage U _i	26,4 V DC
Rated impulse withstand voltage U _{imp}	1,5 kV
Switching voltage	24 V
Switching current	8 ... 500 mA
Switching characteristics	NO + NC
Switching voltage according to UL	
According to UL Class 2	AC/DCmax.24 V

Operating distance

Repeat accuracy R	max.10 %
Assured switch-off distance S_{ar}	17 mm [2]
Assured operating distance S_{ao}	6 mm [3]

Miscellaneous

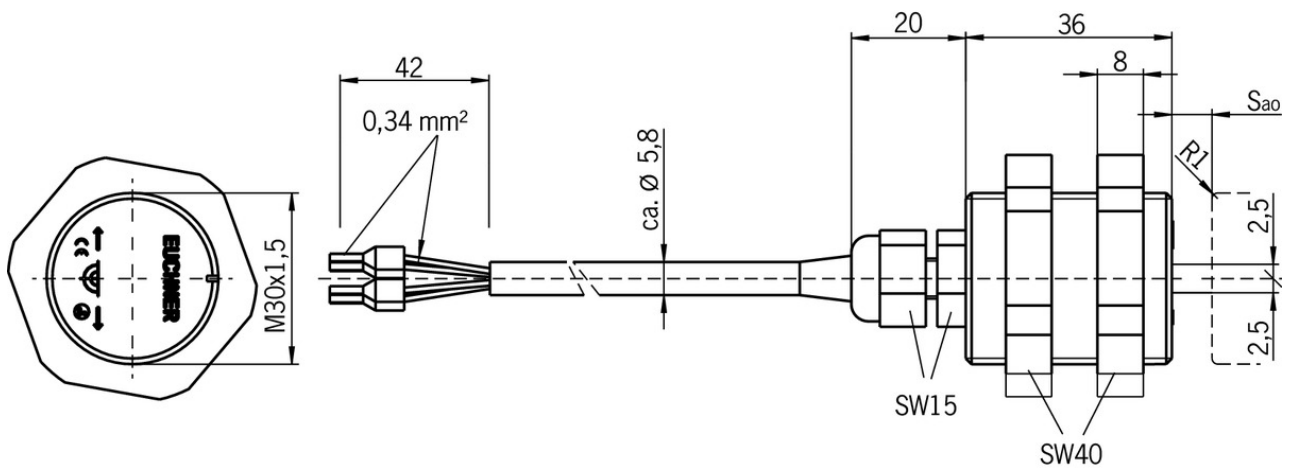
in compliance with	EN ISO 13849-1:2015; EN 50178:1997; EN 60204-1:2006/A1:2009; EN ISO 14119:2013; EN 61000-6-2:2005; EN 61000-6-3:2007/A1:2011; EN 60947-5-3:2013
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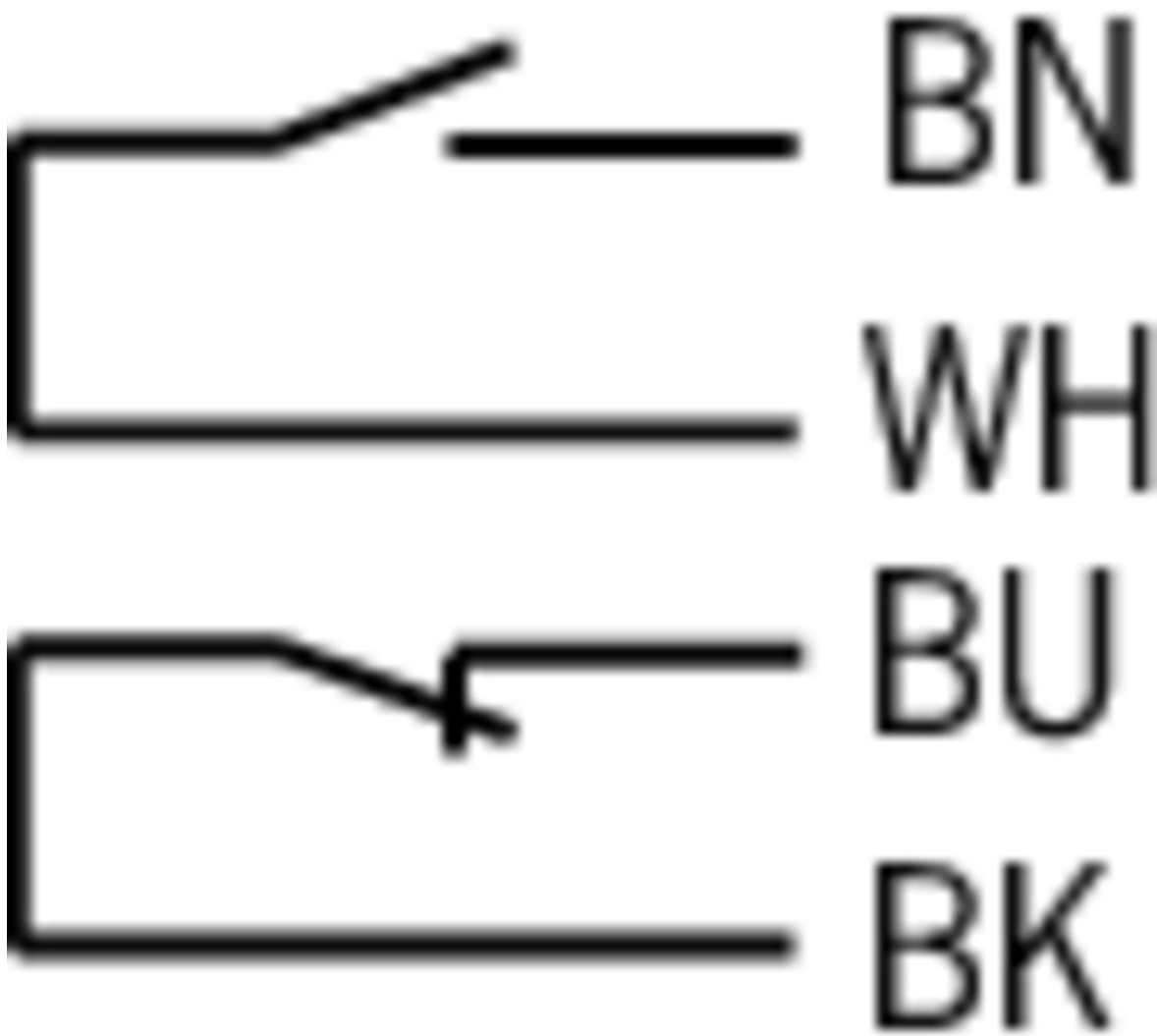
[1] During mounting it is to be ensured the marking arrows on actuator and read head are opposite each other.

[2] The assured switch-off distance s_{ar} corresponds to the reset distance.

[3] Figure only applies if there is no ferromagnetic material in the vicinity of the read head and the actuator.

Dimension drawing





Actuator

▼ Actuator CMS design E



085636 CMS-M-EF






▼ Features

› Cylindrical version M30

Instructions







▼ Betriebsanleitung Leseköpfe/Betätiger für Auswertegeräte CMS

Doc. no. Version Language Download

Betriebsanleitung Leseköpfe/Betätiger für Auswertegeräte CMS	2085673	15-04/18	   	 1.8 MB
Operating Instructions Read Heads/Actuators for Evaluation Units CMS				
Manual de instrucciones de cabezas de lectura/actuadores para unidades de evaluación CMS				
Mode d'emploi des têtes de lecture/actionneurs pour analyseurs CMS				

Catalogs

- Magnetisch codierte Sicherheitsschalter CMS Système de sécurité sans contact CMS
Magnetically Coded Safety Switches CMS

	Doc. no.	Version	Language	Download
Magnetisch codierte Sicherheitsschalter CMS	086823	09-02/18		 2.3 MB
Système de sécurité sans contact CMS	090606	09-02/18		 2.3 MB
Magnetically Coded Safety Switches CMS	086824	09-02/18		 2.3 MB

CAD data

CAD data for this item on TraceParts