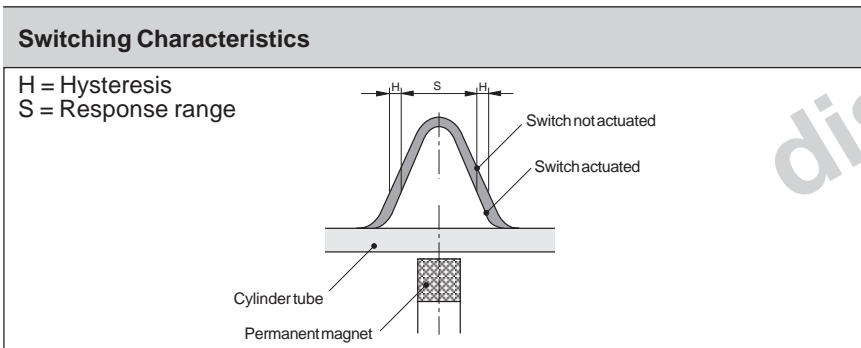


Characteristics			
Characteristics	Symbol	Unit	Description
Installation			In any position
Material			Housing: Macrolon PI Mounting: Aluminium
Ambient temperature range *)	$\vartheta_{\min}$ $\vartheta_{\max}$	°C °C	-25 +75
Service life			10 x 10 <sup>6</sup> switching cycles
Switching point accuracy			± 0.1 mm
Max. impulse acceleration		m/s <sup>2</sup>	50 g (contact closed)
Voltage type			DC
Voltage			10-30 V
Contact type			1 make contact
Max. continuous current	$I_{D \max}$	A	0.2
Max. switching frequency		1/s	10000
Degree of protection		IP	67 to EN60529
Connection			PVC cable 2.5 m long, or with connector **)
Weight (mass) with mounting		kg	0.052 (DZMK)    0.006 (DZMS) 0.070 (DZMK)    0.025 (DZMS)

\*) For the temperature range of the magnetic switches, the surface temperature and own heat generation of the cylinder must be taken into account.

\*\*) Cable 5 m long on request  
PUR cable (oil resistant) on request



**Response Range, Overrun Speed**

Cylinder Ø (mm)	Response range s	Overrun speed $V_{\max}$
32	10	$V_{\max} = \frac{s}{t_a}$ $t_a$ = response time of following device
40	10	
50	11	
63	11	
80	12	
100	13	

Notes: other Cylinder Ø on request.

For cylinder data sheet see 2.30.050E, 2.34.010E, 2.75.002E, 2.75.003E  
For installation instructions see A6P047E

Data Sheet No. 2.90.032E-1

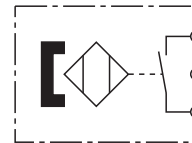
# Cylinder Accessories

Magnetic Switches  
PNP-switching  
(magneto-resistiv)



Three wire technology  
DC Version  
with LED indicator

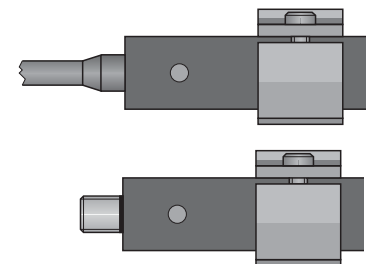
Series DZMK / DZMS



discontinued

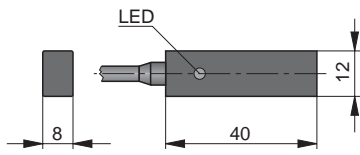
**Note:** Electromagnetic compatibility (EMV) to EN 50082-2/  
individual specification to IEC 801

The magnetic switches are mounted on the cylinder tie rods. One or more switches can be fitted, depending on the stroke length (offset to each other on the circumference, if desired). For cylinders for contactless position, sensing see Series DZ, AZZ.



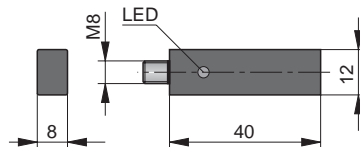
**Dimensions (mm)  
Version with Cable**

Type: DZMK



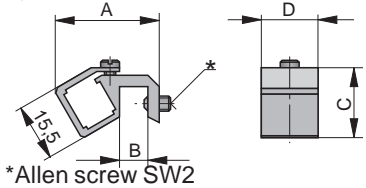
**Dimensions (mm)  
Version with Connector**

Type: DZMS



**Mounting  
for Tie Rod Cylinders ø32-63mm**

Type: KLAD 32

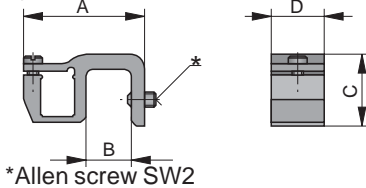


**Dimensions Table (mm) for Mountings**

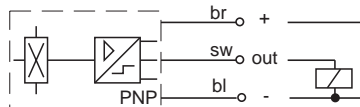
Type	for Cylinder ø	A	B	C	D
KLAD 32	32-63	27.5	8	18.5	15
KLAD 80	80-125	32.5	12.1	17.5	15
KLAD 160	160-200	41.5	17	18.5	14
KLAD 250	250	46.7	21	33	14
KLAD 320	320	48.2	24	40	15

**Mounting  
for Tie Rod Cylinders ø80-320mm**

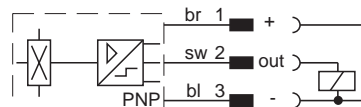
Type: KLAD 80 to KLAD 320



**Example of DZMK Connections**



**Example of DZMK Connections**



**Connection Instructions**

Referring to the "Examples of connections":

- The magnetic switches are not short circuit-proof.
- If connection polarity is reversed, the switching function still works (pole-safe).
- The switches are to be used in positive switching mode.

discontinued

**Order Instructions**

Version	Type	Order Instructions	Order No.
With cable 2.5 m long	DZMK		KY 3237
With connector	DZMS		KY 3238
Mounting element 32-63 (AZZ)	KLAD 32		KY 3217
Mounting element 80-125 (AZZ, DZ)	KLAD 80		KY 3218
Mounting element 160-200 (DZ)	KLAD 160		KY 3219
Mounting element 250 (DZ)	KLAD 250		KC 3146
Mounting element 320 (DZ)	KLAD 320		KL 5496
Cable with connector for Type DZMS 2.5 m	KS 25		KY 3240
5 m	KS 50		KY 3241
Cable Set with straight plug 2.5 m	KSG		KC 3102
5 m	KSG		KC 3104
Cable Set with bent plug (90°) 5 m	KSW		KC 3106