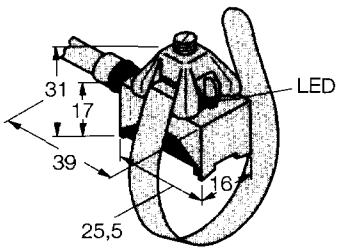
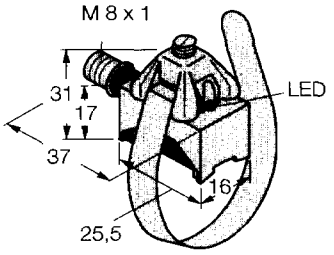
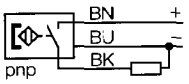
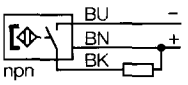
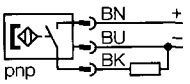
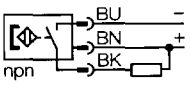
Metal-housing

- **Series KST**

for cylinder types

Type	BIM-KST-AP6X	BIM-KST-AN6X	BIM-KST-AP6X-V1131	BIM-KST-AN6X-V1131
Ident-No.	46 740	46 741	46 742	46 743
connection mode			picofast®	picofast®
electrical version	**DC**	**DC**	**DC**	**DC**
dimensions				
wiring diagram				
position of active face ☐				

Supply voltage	[V]	10...30 VDC	10...30 VDC	10...30 VDC	10...30 VDC
Ripple W_{PP}	[%]	≤ 10	≤ 10	≤ 10	≤ 10
No load current	[mA]	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0
Output		NO	NO	NO	NO
		pnp	npn	pnp	npn
Continuous load current	[mA]	≤ 200	≤ 200	≤ 200	≤ 200
Peak current	[A]	–	–	–	–
Leakage current	[mA]	–	–	–	–
Voltage drop (at $I_{cont.}$)	[V]	≤ 1,8	≤ 1,8	≤ 1,8	≤ 1,8
Reverse polarity protection		●	●	●	●
Wire-breakage protection		●	●	●	●
Short-circuit protection		●	●	●	●
Overload trip point	[mA]	≥ 220	≥ 220	≥ 220	≥ 220
Time delay before availability	[ms]	≤ 5	≤ 5	≤ 5	≤ 5
Switching frequency	[Hz]	1000	1000	1000	1000
Switching hysteresis	[mm]	≤ 1	≤ 1	≤ 1	≤ 1
Overtravel speed	[m/s]	10	10	10	10
Temperature drift	[mm]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Repeat accuracy	[mm]	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
Housing material		GD-Zn	GD-Zn	GD-Zn	GD-Zn
Material active face		PA12-GF30	PA12-GF30	PA12-GF30	PA12-GF30
Protection class (DIN 40 050)		IP 67	IP 67	IP 67	IP 67
Temperature range	[°C]	-25...+70	-25...+70	-25...+70	-25...+70
Integral cable / connector	[mm²]	LifYY 3 x 0,25	LifYY 3 x 0,25	*picofast®* *	*picofast®* *
Output indication	LED	yellow	yellow	yellow	yellow
Power-on indication	LED	–	–	–	–

Certifications
(see page 6)

(* see plug-in connectors page 38-41)

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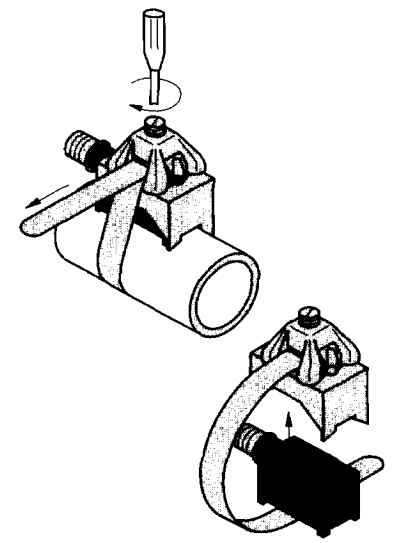
Mounting of sensors series KST

- **with mounting accessories KST-...**

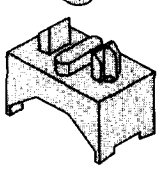


Mounting accessories are supplied with the sensor

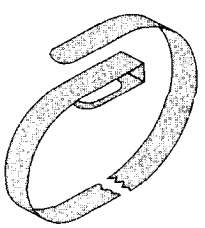
KST-SE



KST-MG



KST-SB...



Strap-lock, **KST-SE**
Material: zinc die-cast
Ident-No. 46 736

Metal-housing, **KST-MG**
Material: zinc die-cast
Ident-No. 46 735

Retaining strap, **KST-SB170**
Material: stainless steel
Ident-No. 46 737

Retaining strap, **KST-SB335**
Material: stainless steel
Ident-No. 46 738