

Magnet-inductive Sensors

Metal-housing

● Series KST

for cylinder types

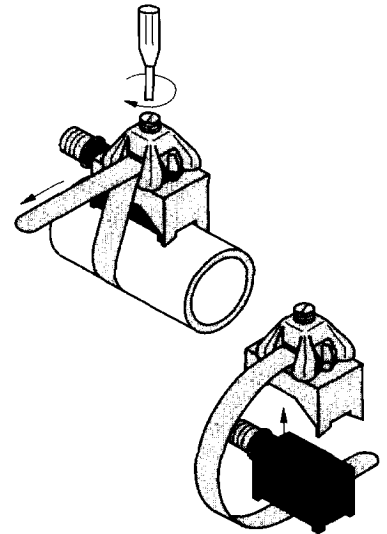


Metal-housing		Type Ident-No.	BIM-KST-AP6X 46 740	BIM-KST-AN6X 46 741	BIM-KST-AP6X-V1131 46 742	BIM-KST-AN6X-V1131 46 743
● Series KST						
for cylinder types						
connection mode						
electrical version			DC	DC	DC	DC
dimensions						
wiring diagram						
position of active face						
Supply voltage	[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	nnp	pnp	nnp
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	[mm ²]		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)

Mounting of sensors series KST

- with mounting accessories KST-...

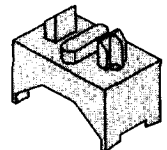


Mounting accessories are supplied with the sensor

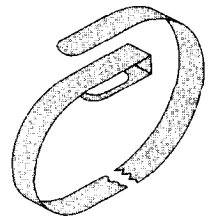
KST-SE



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