

Magnet-inductive Sensors

Metal-housing

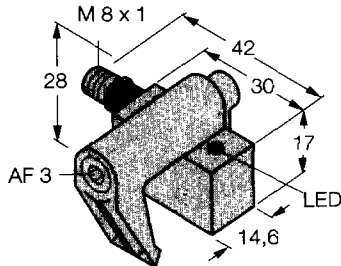
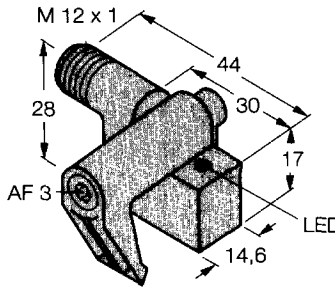
- Series IKT
- Series IKE

for cylinder types



Metal-housing		Type Ident.-No.	BIM-IKT-Y1X 10 560	BIM-IKT-AD4X 44 820	BIM-IKE-AD4X 44 214 00	BIM-IKT-AP6X 46 200	BIM-IKE-AP6X 46 214	BIM-IKT-AN6X 46 201	BIM-IKE-AN6X 46 215
for cylinder types									
connection mode			NAMUR		DC		DC		DC
electrical version									
dimensions									
wiring diagram									
position of active face									
Supply voltage	[V]	NAMUR 8,2 VDC							
Ripple W_{pp}	[%]	-							
No load current	[mA]	-							
Output		activated: $\geq 2,2$ mA non-act.: ≤ 1 mA							
Continuous load current	[mA]	-							
Peak current	[A]	-							
Leakage current	[mA]	-							
Voltage drop (at $I_{cont.}$)	[V]	-							
Reverse polarity protection		●							
Wire-breakage protection		-							
Short-circuit protection		●							
Overload trip point	[mA]	-							
Time delay before availability	[ms]	-							
Switching frequency	[Hz]	1000							
Switching hysteresis	[mm]	-							
Overtravel speed	[m/s]	≤ 10							
Temperature drift	[mm]	$\leq 0,1$							
Repeat accuracy	[mm]	$\leq 0,1$							
Housing material		GD-Zn							
Material active face		PA12-GF30							
Protection class (DIN 40 050)		IP 67							
Temperature range	[°C]	-25...+70							
Integral cable / connector	[mm ²]	LYY 2 x 0,5							
Output indication	LED	yellow							
Power-on indication	LED	-							
Certifications		BVS KBFI FTZU							

(see page 6)

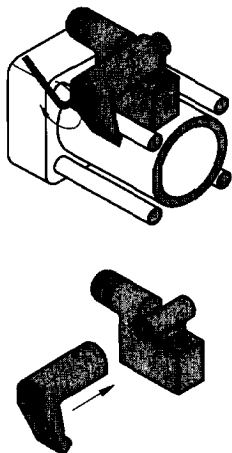
<i>BIM-IKT-AP6X-V1131</i> 46 220	<i>BIM-IKE-AP6X-V1131</i> 46 216 30	<i>BIM-IKT-AN6X-V1131</i> 46 221	<i>BIM-IKE-AN6X-V1131</i> 46 217 30	<i>BIM-IKT-Y1X-H1141</i> 10 562	<i>BIM-IKE-Y1X-H1141</i> 10 566 00	<i>BIM-IKT-AD4X-H1141</i> 44 821	<i>BIM-IKE-AD4X-H1141</i> 44 216 00	<i>BIM-IKT-AP6X-H1141</i> 46 210	<i>BIM-IKE-AP6X-H1141</i> 46 216	<i>BIM-IKT-AN6X-H1141</i> 46 211	<i>BIM-IKE-AN6X-H1141</i> 46 217
 picofast® DC	 picofast® DC	 Conprox® NAMUR	 Conprox® DC	 Conprox® DC	 Conprox® DC						
											
											
											
10...30 VDC ≤ 10 ≤ 2,0 NO pnp ≤ 200 - - ≤ 1,8 • • • ≥ 220 ≤ 5 1000 ≤ 1 ≤ 10 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 picofast®* yellow -	10...30 VDC ≤ 10 ≤ 2,0 NO nnp ≤ 200 - - ≤ 1,8 • • • ≥ 220 ≤ 5 1000 ≤ 1 ≤ 10 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 picofast®* yellow -	NAMUR 8,2 VDC - - activated: ≥ 2,2 mA non-act.: ≤ 1 mA - - - - • • • - - 1000 ≤ 10 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 Conprox®* yellow -	10...65 VDC ≤ 10 - NO ≥ 3 / ≤ 100 - ≤ 0,8 ≤ 5 • - • ≥ 150 ≤ 5 300 ≤ 1 ≤ 3 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 Conprox®* yellow -	10...30 VDC ≤ 10 ≤ 2,0 NO pnp ≤ 200 - - ≤ 1,8 • • • ≥ 220 ≤ 5 1000 ≤ 1 ≤ 10 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 Conprox®* yellow -	10...30 VDC ≤ 10 ≤ 2,0 NO nnp ≤ 200 - - ≤ 1,8 • • • ≥ 220 ≤ 5 1000 ≤ 1 ≤ 10 ≤ 0,1 ≤ 0,1 GD-Zn PA12-GF30 IP 67 -25...+70 Conprox®* yellow -						
   											

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

Magnet-inductive Sensors

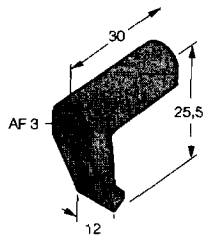
Mounting of sensors series IKT/IKE

● with fixing clamp KLI1/KLI3

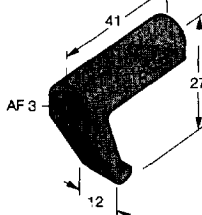


Please order mounting accessories separately!

KLI1



KLI3



Selection guide see page 10/11!

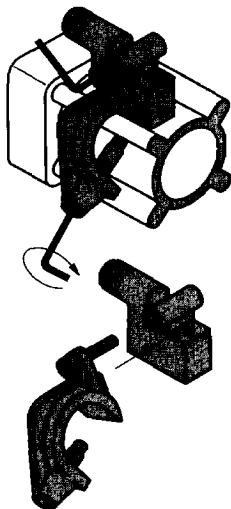
Fixing clamp, **KLI1**

Material: zinc die-cast
Ident-No. 69 710

Fixing clamp, **KLI3**

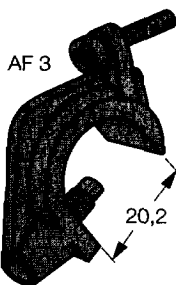
Material: zinc die-cast
Ident-No. 69 712

● with fixing clamp KLI2



Please order mounting accessories separately!

KLI2

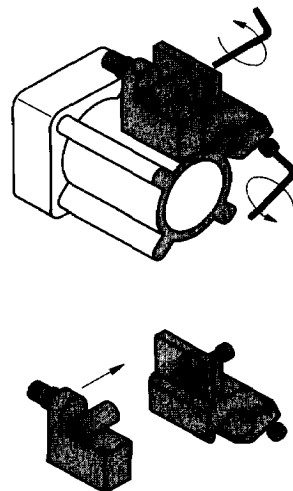


Selection guide see page 10/11!

Fixing clamp, **KLI2**

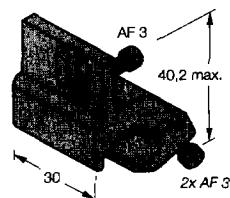
Material: zinc die-cast
Ident-No. 69 711

● with fixing clamp KLI5/KLI6

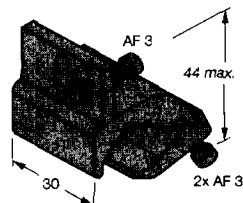


Please order mounting accessories separately!

KLI5



KLI6



Selection guide see page 10/11!

Fixing clamp, **KLI5**

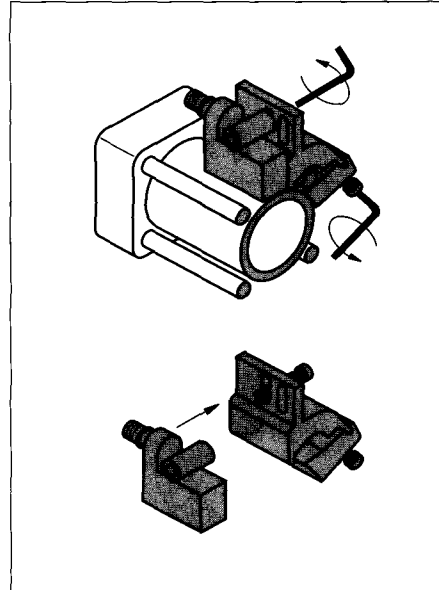
Material: aluminium
Ident-No. 69 718 02

Fixing clamp, **KLI6**

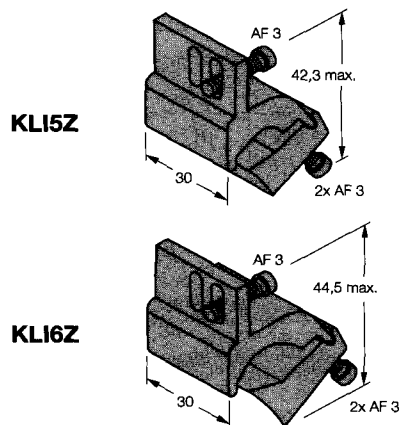
Material: aluminium
Ident-No. 69 718 05

Mounting of sensors series IKT/IKE

● with fixing clamp KLI5Z/KLI6Z



Please order mounting accessories separately!

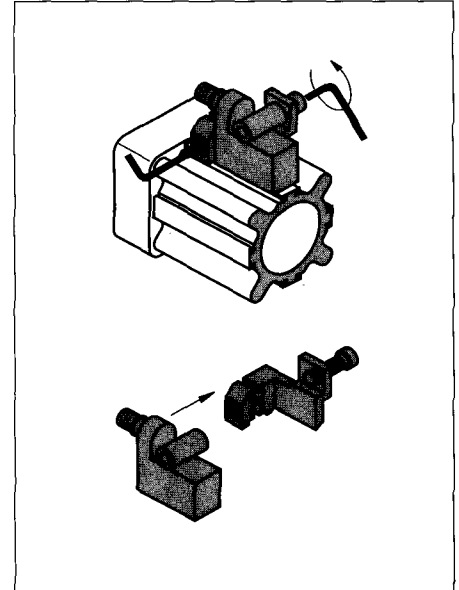


Selection guide see page 10/11!

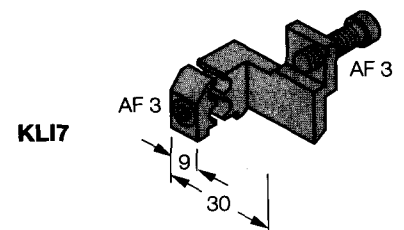
Fixing clamp, **KLI5Z**
Material: aluminium
Ident-No. 69 718 03

Fixing clamp, **KLI6Z**
Material: aluminium
Ident-No. 69 718 06

● with fixing clamp KLI7



Please order mounting accessories separately!



Selection guide see page 10/11!

Fixing clamp, **KLI7**
Material: aluminium
Ident-No. 69 718 10