

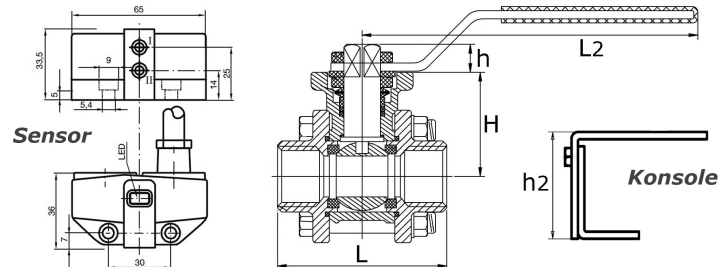
ball valve F/F, 3-piece

[short name: K3IS\\*](#)

inductive double sensor

used as position feedback

installed on SS mounting kit



### technical product sheet

Typ	DN	Zoll	d	L	L2	H	h	h2	Art.-Nr.
K3-DIN	15	1/2"	15,0	75	95	38,5	9,0	60,0	K3IS-012-0IG-4
K3-DIN	25	1"	25,0	90	135	59,0	11,0	60,0	K3IS-100-0IG-4
K3-DIN	50	2"	50,0	140	200	86,5	15,0	60,0	K3IS-200-0IG-4
K3-PRO	15	1/2"	15,0	75	120	40,3	8,0	60,0	K3IS-012-PIG-4
K3-PRO	20	3/4"	20,0	80	120	45,0	9,0	60,0	K3IS-034-PIG-4

available material: ask

Industrial valves > ball valves > threaded ends > 3-piece, full bore > with limit switch box > inductive sensors

## Technical data of the valve

Designation	Properties Type: K3	Properties Type: K3-PRO
Housing	Stainless steel 1.4408 (CF8M)	Stainless steel 1.4408 (CF8M)
Ball	Stainless steel 1.4408 (CF8M)	Stainless steel 1.4408 (CF8M)
Ball seal	PTFE	RTFE
Shaft seal	PTFE	Peek - Viton - PTFE
Pressure range	PN 63	PN 63
ISO-Top 5211	not direct actuator mounting	direct actuator mounting

>> further information

Please refer to all other information in the section Industrial Fittings

## Position sensor

> The inductive double sensor was designed in accordance with the EC Machinery Directive RL 89/392 / EEC examined by the TÜV.

> Switching states, supply voltage and valve control are indicated by LEDs.

## General data

Designation	Properties
Switching element function	PNP Dual closer
Switching distance	3 mm
Assembly	flush mountable
Output polarity	DC
Series	cuboid
Assured switching distance	0...2,43mm
Reduction factor rAL	0,5
Reduction factor rCU	0,4
Reduction factor rV2A 1.4301	1
Reduction factor rST37	1,2

## Specifications

Designation	Properties
Operating voltage	10...30 V DC
Switching frequency	0...500Hz
Hysteresis	typ. 5%
Reverse polarity protection	all lines
Short circuit protection	clocked
Voltage drop	<= 3 V
Operating current	0...100mA
Residual current	0...0,5mA typ. 0,1 MYA for 25°C
No-load current	<= 25mA
Operating voltage display	LED, green
Switching status display	LED, yellow

## Mechanical data

Designation	Properties
Connection (system side)*	PVC-cable 5 m
Housing material	PBT
Front surface	PBT
Type of protection	IP67

### Actuator for series F31

The actuator is made of a conductive plastic material, avoids static charges and allows use in hazardous areas.

(\*) = optional plug connection (V1, V16, V18), terminal block

Please refer to all other information in the section position sensor