(distance from

load current:

- up to 4 A

pressure of

medium:

10, 12, 20,

load current:

- up to 200 mA

load current:

- up to 400 mA

radiation:

- infrared

load current:

- up to 400 mA

radiation:

- infrared

load current:

- up to 20 mA

switching

frequency:

- up to 3500 Hz

pressure of

medium:

the measured

up to 100 bar

pressure of

up to 25 bar

medium:

in the housing:

- M12 connector;

Standard

- LED indicator

operating

temperatures:

the measured

350, 500 bar

the measuerd

power supply:

- direct current;

- direct current

protection rating:

alternating

current:

Namur

- IP65

- IP67

- IP68

power supply:

- direct current

protection

power supply:

- direct current

current

protection

power supply:

- direct current

protection

rating:

- IP65;

- IP67;

- IP68

rating:

- IP65,

- IP67

rating:

-IP65

- IP65/IP67;

- IP65/IP68;

- IP67/IP68;

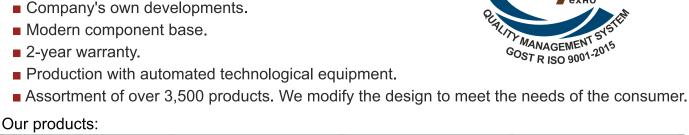
the sensor to the object)



Manufacturer company SKB Induction, Chelyabinsk, Russia Experience since 2004.

SENSORS FOR AUTOMATION

- Modern component base.
- 2-year warranty.







substances, solid and porous materials, and others.

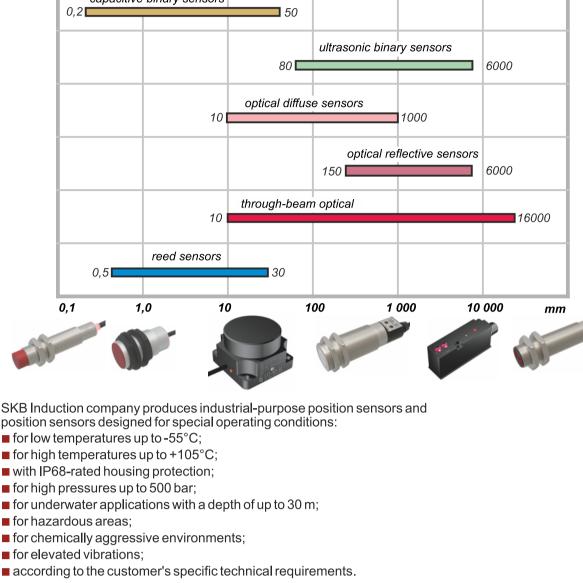
0,1 1,0 10 100 1 000 10 000 sensor mm working distance

Overall capabilities of position sensors by SKB Induction company:

from them. The distances from the sensors to the objects and the types of detectable objects can vary depending on the operating principle of the sensor. Objects can be made of metals, magnets, dielectrics, granular and liquid

inductive binary sensors 120 1

inductive analog sensors **3**6 capacitive binary sensors



Eddy current sensors detect proximity to eddy current materials or measure the distance to an eddy current material. Design options:

output:

- binary:

- analog;

- Namur

minimum

operating

temperature:

-60°, -55°, -45°,

-40°, -25°, -15°

- relay output;

housing material:

- plastic;

available

- cable:

connection:

- connector;

- cable with

connector;

- plastic + steel; - rectangular - aluminum; from 18x25x28 - brass: to 334x200x90 mm; - stainless steel

housing:

cylindrical

from M5 to Ø55;

LED indicators:

- available:

- not available

Design options:

- cylindrical M30

housing:

LED

indicators:

- available

66x28x20,

- rectangular

66x28x20.

indicators:

- available

housing:

M30;

LED

- cylindrical

- rectangular

M8, M18, M20,

66x28x20 mm

Reed sensors

Hall effect sensors

housing:

- cylindrical

indicators:

- available

Ø32; - rectangular

LED

M18, M20, M22,

42x25x29 мм

- semiconductor:

- thermocouple

cable-based

indicators:

- available;

- not available

Design options:

concentration

- semiconductor

element

NAMUR

sensors: - up to 4

Connectors

structure:

structure:

- straight M12;

- angled M12;

assemble M12

meter:

LED

rotation angle, and velocity. Design options:

housing

material:

plastic;brass;

available

connection:

- connector;

- cable

- stainless steel

- steel;

detect direction of movement, linear movement of the rod, measure shaft

output:

- binary;

- analog

minimum

operating

measure the ambient temperature or control the threshold temperature of the environment.

- binary,

- thermocouple

-40°C

Temperature sensors and temperature switches

temperature:

LED

80x80x40 mm

- flush mountable; - non-flush mountable

-10°, 0°, +15°C - IP68 terminals Capacitive sensors detect proximity to dielectric or conductive materials, both solid and liquid. Design options:

output:

- binary;

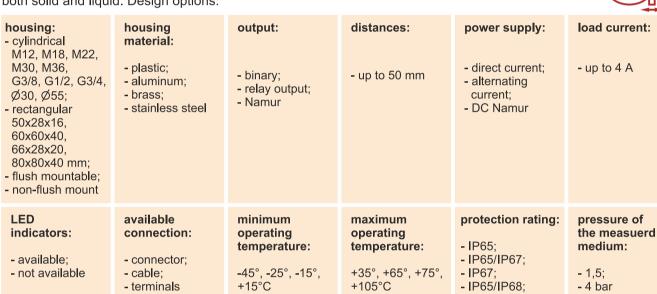
- analog

minimum

operating

-35°, -25°C

temperature:



distances:

= 10 ... 50,

= 25 ... 70,

maximum

operating

+60°C

temperature:

distances:

=450,

=2000,

=13000,

=16000 mm

= 20 ... 100,

= 35 ... 600, = 200 ... 700 mm

distances:

- from 1 mm

maximum

operating

temperature:

+35°, +50°, +55°

+65°, +75°, +105°C

to 120 mm

housing: housing output: material: cylindrical - binary M8, M18, M20; - plastic: - rectangular - aluminum;

- brass;

- aluminum,

- stainless steel

minimum

operating

temperature:

-45°, -25°, 0°C

output:

- binary

minimum

operating

temperature:

-45°, -25°, 0°C

- brass.

available

connection:

-connector;

detect the beam reflected by any object. Design options:

housing

material:

- plastic,

- brass,

available

connector; - terminals

- aluminum,

- stainless steel

-cable; -terminals;

Optical diffuse sensors

Ultrasonic sensors detect any objects.

housing

material:

- plastic;

- brass;

available

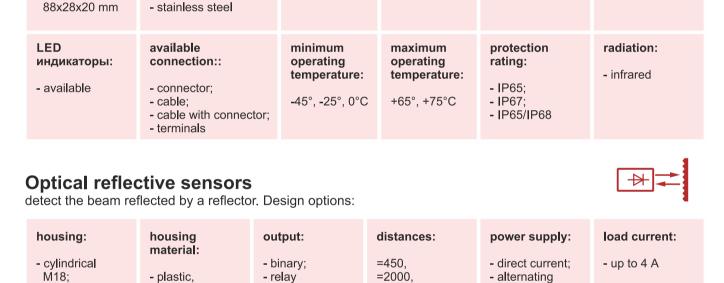
connection:

- connector;

cable

Optical through beam sensors detect beam interruption. Design options:

- stainless steel



=4000,

=6000 mm

maximum

operating

temperature:

+65°, +75°C

distances:

=130,

=150.

=300,

=450, =1000 mm

maximum

operating

temperature:

+65°, +75°C

indicators: connection: - available - connector; - cable; - cable with

(detect proximity to a magnet. Design options:				_	
	housing: - cylindrical M8, M10, M12, M18, M24, M27, M30, M33, G3/4, G1, Ø21; - rectangular 29x6,4x4,5, 33x17x12, 35x20x15, 50x28x16, 66x28x20, 80x18x14, 110x94x62 mm	housing material: - plastic; - aluminum; - brass; - aluminum+brass; - stainless steel	output: - relay output NC, NO; - Namur	distances: - up to 10, 14, 25, 30 mm	switching current: - DC; - AC; - DC Namur	load current: - up to 350 mA
	LED indicators: - available; - not available	available connection: - connector; - cable; - cable with connector; - terminals	minimum operating temperature: -60°, -50°, -45°, -40°, -25°C	maximum operating temperature: +65°, +75°, +80°, +105°, +120°, +125°, +160°C	protection rating: - IP65; - IP65/IP67; - IP67; - IP65/IP68; - IP67/IP68; - IP68	switching frequency: - up to 400 Hz

distances:

maximum

operating

+75°, +85°, +100°C

process

switching

thresholds:

=0...+5 °C, =+3...+7 °C, =+10...+14 °C =+10...+22 °C, =+78...+82 °C, =+80...+85 °C, =+88...+92 °C =+98...102 °C

up to 6 m

maximum

operating

temperature:

concentration

=400...20000 ppm

CO2:

- up to 4 relay,

- up to 4 electronic

external insulation

of built-in cables:

PVC

integrated

2023, EDITION 5

temperature:

-40 ... +400 °C;

temperature:

angle: - up to 360°

- up to 10 mm;

power supply:

- direct current

protection

- IP65/IP68;

protection

rating:

- IP54;

- IP67;

- IP68

rating:

- IP67

Design options: output: temperature housing measuring material: element:

- plastic;

available

connection:

- connector;

- terminals

housing

material:

plastic

-plastic

for sensors and automation devices. Design options:

number of

contacts:

= 2

= 3 = 4

Phone (Russian support): +7 351 218-41-40

- cable with connector;

- cable;

- aluminum;

- stainless steel

Level sensors detect the boundary levels of liquid substances, as well as granular and viscous substances. Design options: level housing output type: liquid level limit power load current measurement material: contact between liquid supply: principle: - binary and sensor: - up to - up to 1,5 m (float), 400 mA - ultrasonic; - direct - capacitive; - plastic; - up to 40 m (cable-based); current - aluminum: - thermal (thermistor); non-contact - brass; - optical; - aluminum+brass; measurement: - float (reed); - stainless steel using an ultrasonic sensor

minimum

operating

temperature:

-60°, -50°,-45°, -40°, -25°, 0°C

Converters (coupling modules); input: NAMUR signal; output: standard signal; galvanic isolation for explosion-proof sensors. Design options: the number housing dimensions: power supply: current type: of connectable material: - direct current

- 45x75x110.

- 70x75x110,

- 100x75x110 mm

built-in cable:

15, 25 m:

- length 2, 3, 5, 10,

- without a built-in

output type:

binary;

- analog;

- RS 485

operating temperature: -40°...+85°C

operating

temperature:

indication: rating: integrated capacitive two circuits with sensor with switching -40°...+60°C galvanic isolation LED indicators tecaform **IP67** distance of up to 40 mm

external

materials:

protection

IP54

24 V DC,

IP67

protection

Email: zakaz@skbind.ru (Russian and English support)

protection

- IP65/IP67;

- IP65/IP68;

rating:

- IP67;

- IP68



Touch buttons for contactless switching. Design options:

switched circuits: