

## Type matrix of capacitive sensors

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
<b>K</b>	<b>C</b>	<b>N</b>	<b>-</b>	<b>T</b>	<b>1</b>	<b>2</b>	<b>N</b>	<b>S</b>	<b>/</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>-</b>	<b>K</b>	<b>L</b>	<b>P</b>
Product group			Housing design				Output			Sensing distance				Options		

**1** K = Non-contact proximity switch

**2** C = Capacitive

**3** B = Flush installation  
 N = Non-flush installation

**4** Dash

**5** M = Metric threaded barrel (metal housings)  
 T = Metric threaded barrel (plastic housings)  
 D = Cylindrical housings (metal)  
 R = Cylindrical housings (plastic)  
 Q = Rectangular housings (metal)  
 E = Rectangular housings (plastic)  
 N = Standard attachment according to DIN 50025/50037)

**6/7** Two-digit number  
 12 = M 12 x 1 mm threaded barrel  
 18 = M 18 x 1 mm threaded barrel  
 30 = M 30 x 1.5 mm threaded barrel  
 32 = M 32 x 1.5 mm threaded barrel  
 20 = 20 mm diameter  
 22 = 22 mm diameter  
 34 = 34 mm diameter  
 44 = 40 x 40 x 120 mm  
 68 = 68 x 30 x 15 mm

**8** P = PNP  
 N = NPN  
 A = AC 2-wire  
 R = Relay  
 G = Push/pull  
 D = Dual output switching device

**9** S = Normally-open contact  
 Ö = Normally-closed contact  
 P = Programmable switch  
 A = Analogue  
 U = Complementary

**10** Slash

**11/12/13** Sensing distance

Examples: 1.5 = 1.5 mm  
 002 = 2 mm  
 040 = 40 mm

**14** Slash

**15** K = Short-circuit proof

**16** L = LED

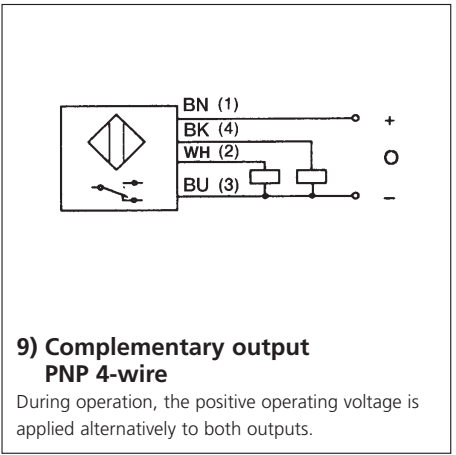
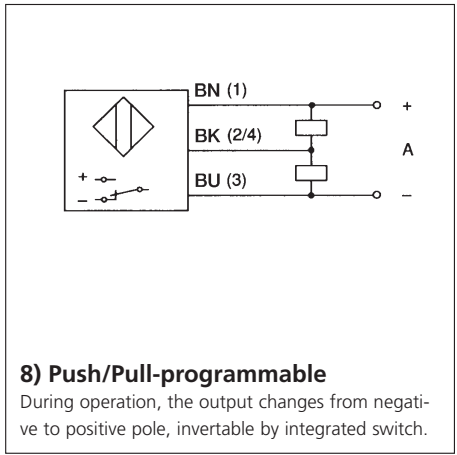
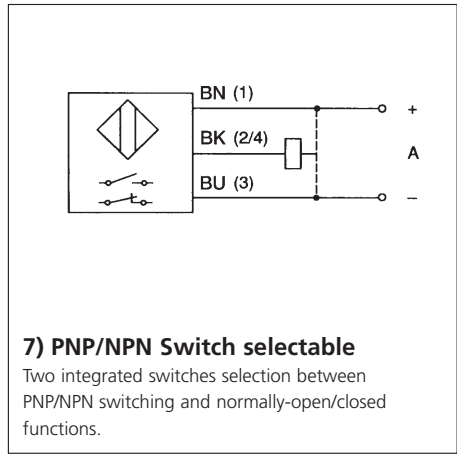
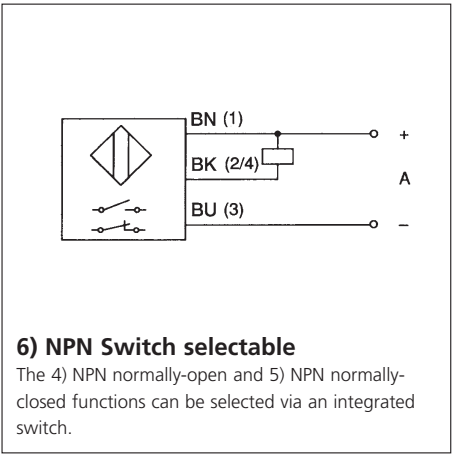
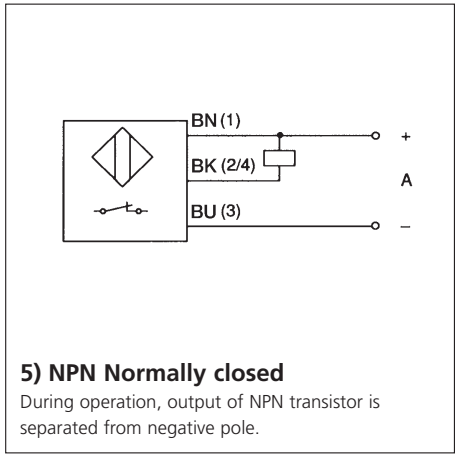
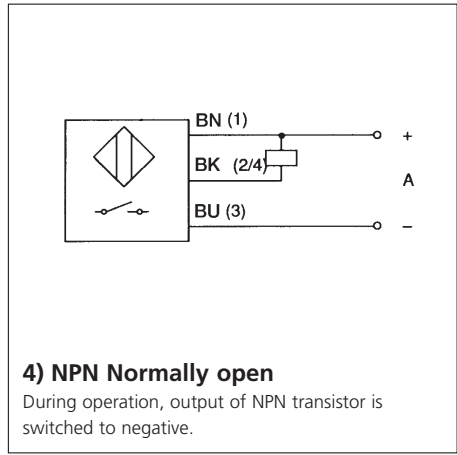
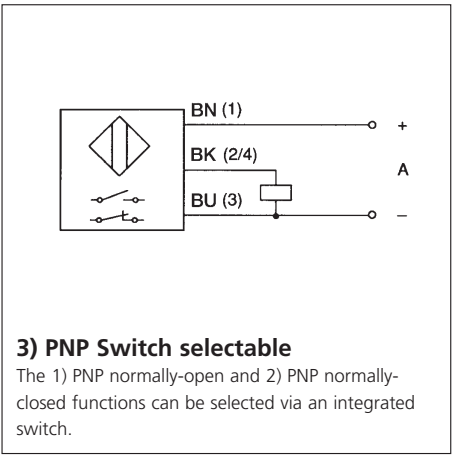
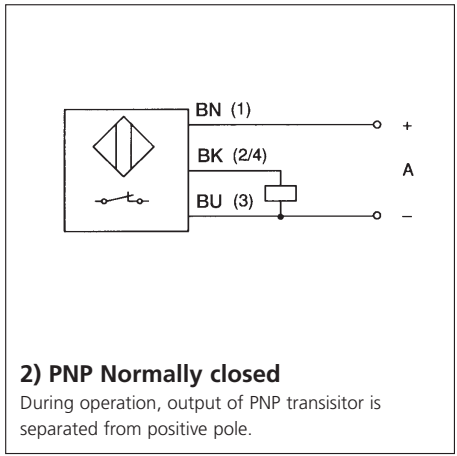
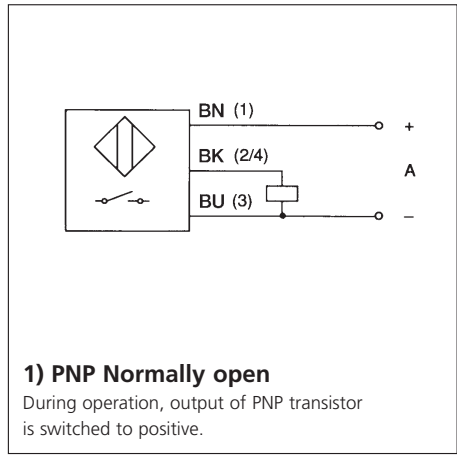
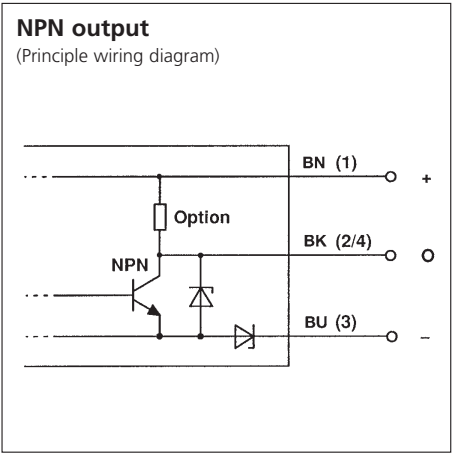
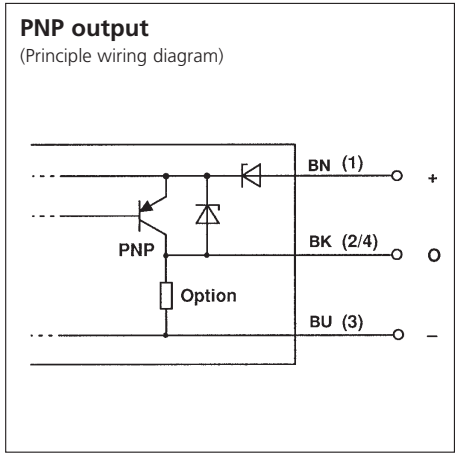
**17...** Cable length  
 Examples: 2 = 2 m  
 6 = 6 m

E = Extendible sensing distance  
 V = Short body design  
 P = Potentiometer  
 PU = Polyurethane cable  
 S = Detachable connection (terminal compartment)  
 SD = Plug connectors, according to DIN with fitted cable socket  
 SM = Mini socket snap fit  
 S8 = M 8 quick disconnect screw type  
 SM8 = M 8 quick disconnect universal snap and screw  
 S12 = M 12 quick disconnect screw type  
 N = Stainless steel housing  
 F = High switching frequency  
 T = High temperature resistance

# Wiring diagrams of DC output types

Key to colour coding of cable

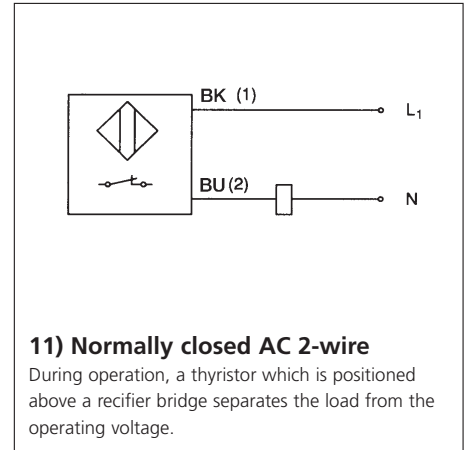
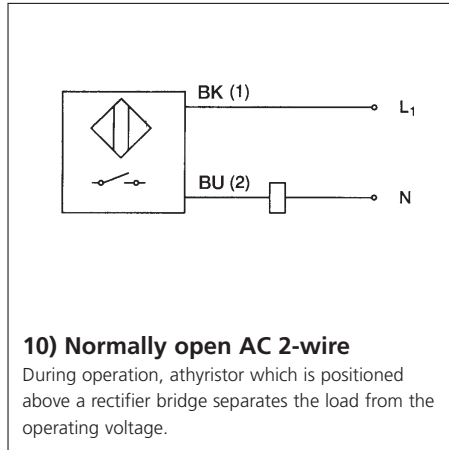
- BN = brown
- BU = blue
- BK = black



## Wiring diagrams of AC output types

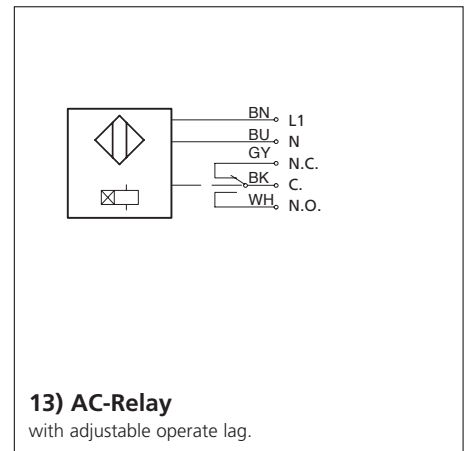
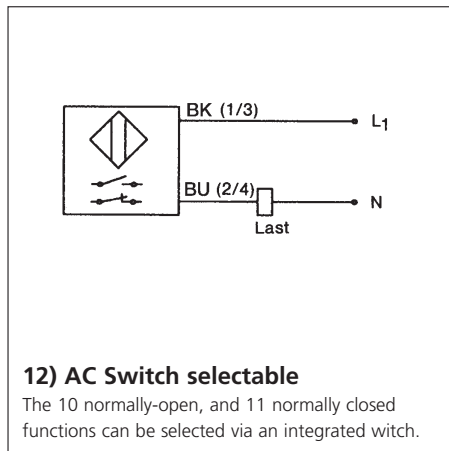
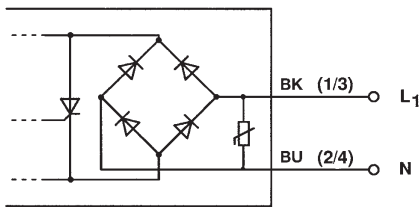
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### AC 2-wire

(Principle wiring diagram)



## Mounting brackets

Polyamid

All dimensions in mm (inch)

