

Type matrix of capacitive sensors

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.
K	C	N	-	T	1	2	N	S	/	0	0	4	-	K	L	P
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

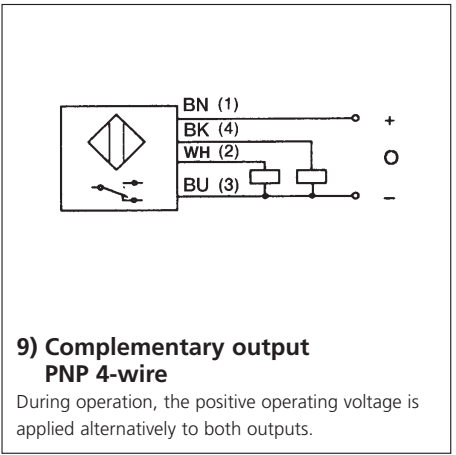
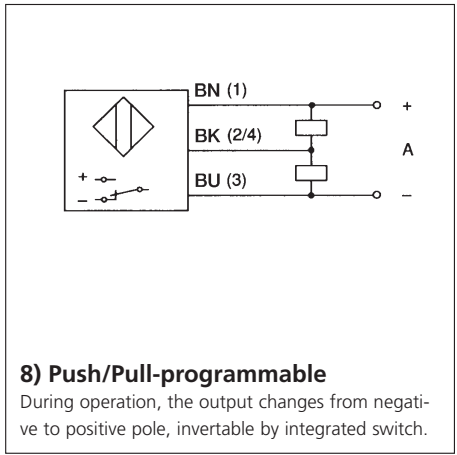
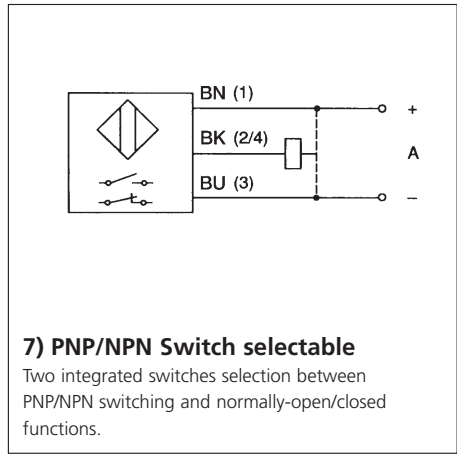
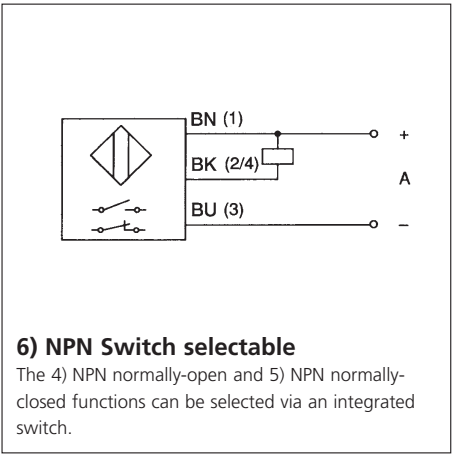
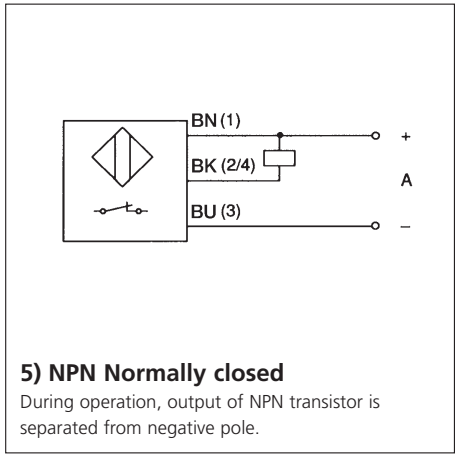
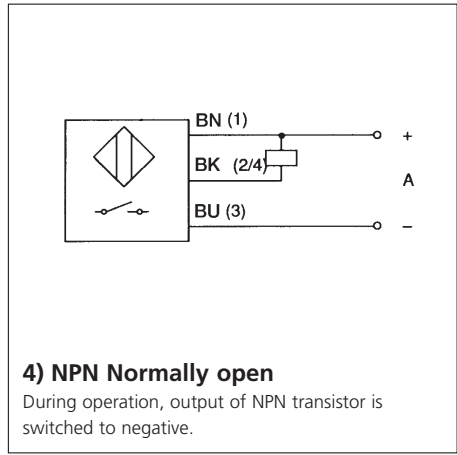
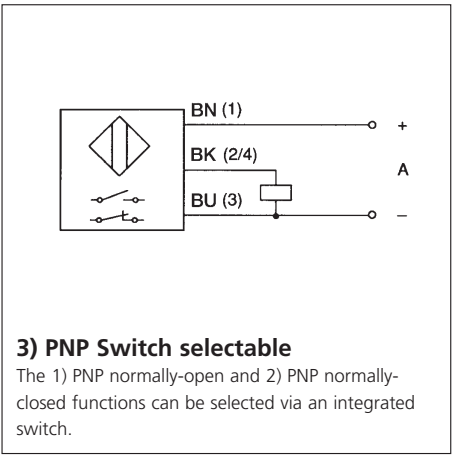
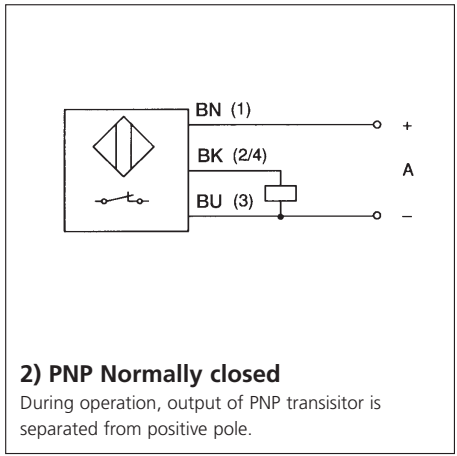
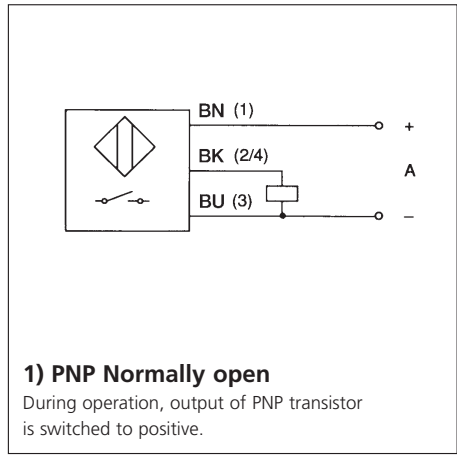
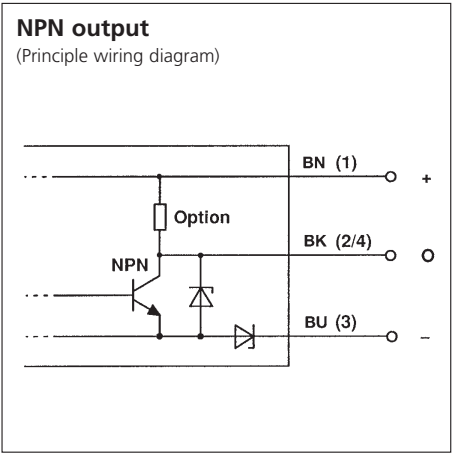
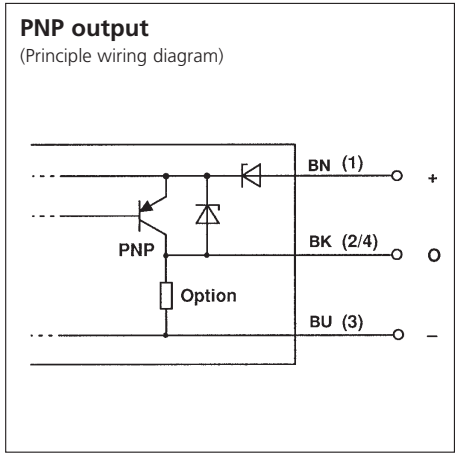
17... Cable length
Examples: 2 = 2 m
6 = 6 m

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

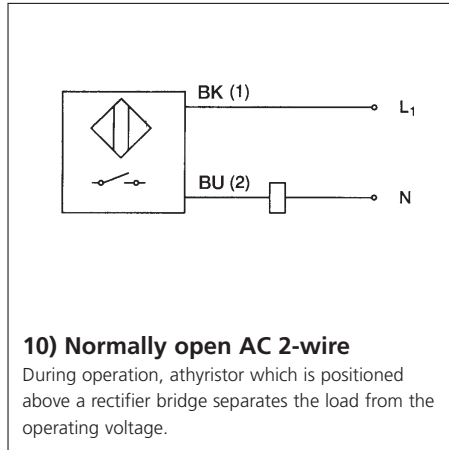
- BN = brown
- BU = blue
- BK = black



Wiring diagrams of AC output types

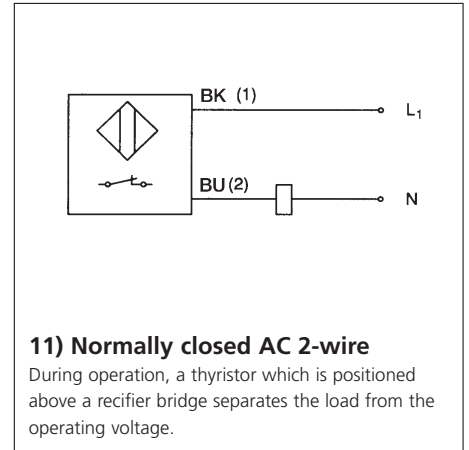
Key to colour coding of cable

BN = brown
 BU = blue
 BK = black



10) Normally open AC 2-wire

During operation, a thyristor which is positioned above a rectifier bridge separates the load from the operating voltage.

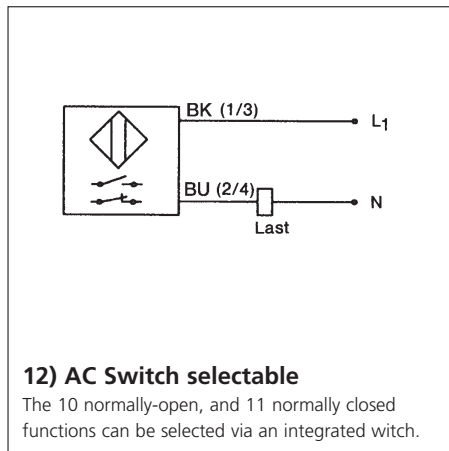
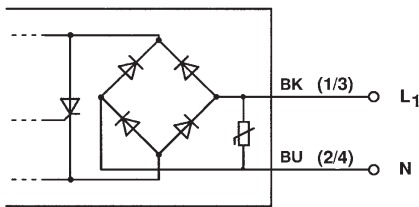


11) Normally closed AC 2-wire

During operation, a thyristor which is positioned above a rectifier bridge separates the load from the operating voltage.

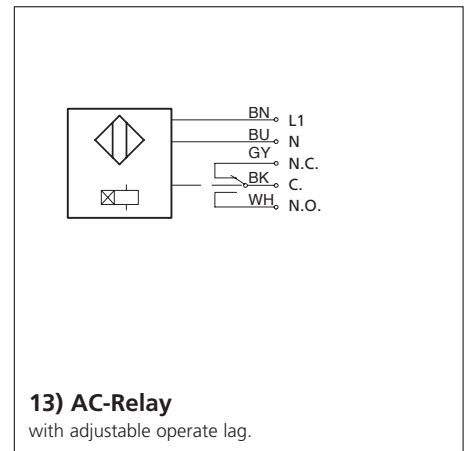
AC 2-wire

(Principle wiring diagram)



12) AC Switch selectable

The 10 normally-open, and 11 normally closed functions can be selected via an integrated witch.



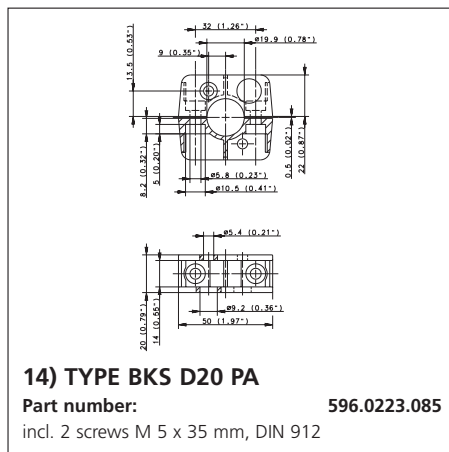
13) AC-Relay

with adjustable operate lag.

Mounting brackets

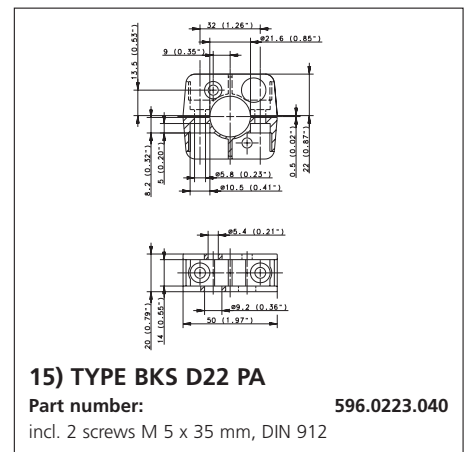
Polyamid

All dimensions in mm (inch)



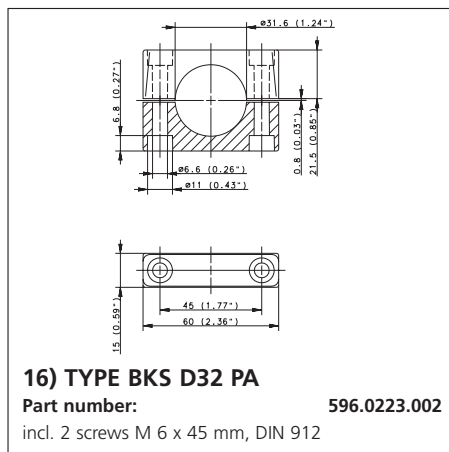
14) TYPE BKS D20 PA

Part number: 596.0223.085
 incl. 2 screws M 5 x 35 mm, DIN 912



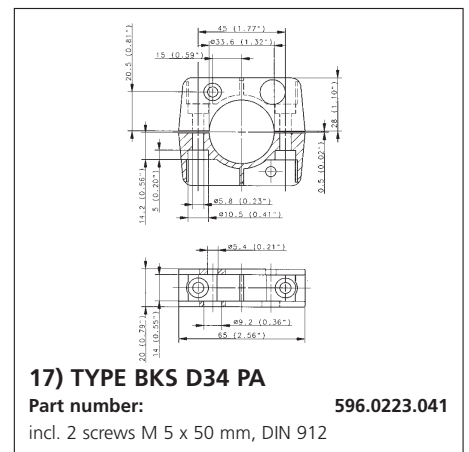
15) TYPE BKS D22 PA

Part number: 596.0223.040
 incl. 2 screws M 5 x 35 mm, DIN 912



16) TYPE BKS D32 PA

Part number: 596.0223.002
 incl. 2 screws M 6 x 45 mm, DIN 912



17) TYPE BKS D34 PA

Part number: 596.0223.041
 incl. 2 screws M 5 x 50 mm, DIN 912