

# inductive proximity switch

type: ZTxxx



picture alike

ZTxxx

5002 01xx x000

Jul-21

- \_ robust construction
- \_ high protection class
- \_ high vibration resistance
- \_ metal housing

## application range

position detection

## technical data

feature:

power supply $U_b$	10... 30V DC
current consumption	100...400mA
housing:	brass chromed
output signal:	PNP/NPN
reacting distance	0.8...6mm
switching frequency	0.8... 6 kHz
switching hysteresis	<10%... 12% vom Schaltabstand
connection	open cable ends

### subject to change

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## ambient conditions

operating temperature range	-40 .. +85°C
enclosure rating	IP 67

## technical data

type	ZT 402	ZT 404	ZT 410	ZT 403	ZT 402	ZT 400	ZT 416	ZT 398	ZT 399
design	M12x1	M18x1	M12x1	M12x1	M12x1	M8x1	M8x1	M5x0,5	M5x0,5
operating distance	2mm	5mm	6mm	4mm	2mm	1mm	1mm	0,8mm	0,8mm
flush mountable	ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	ja
switching hysteresis	5%	10%	10%	10%	10%	10%	12%	12%	12%
operating voltage	10-30V	10-30V	10-30V	10-30V	10-30V	10-30V	10-30V	10-30V	10-30V
switching frequency	1kHz	5 kHz	0.8 kHz	5 kHz	5 kHz	5 kHz	5 kHz	6 kHz	6 kHz
load current	200mA	400mA	100mA	300mA	300mA	200mA	200mA	100mA	100mA
connection diagram	2	2	1	2	2	1	4	3	4

## connection diagram

type	1	2	3	4
brown	Ub+	Ub+	Ub+	Ub+
black	NPN	NPN	NPN	PNP
blue	GND	PNP	GND	GND
yellow		GND		
white				

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## order data / types

type	description	order number
ZT 402	inductive proximity switch M12x1 PNP	5002 0107 0000
ZT 404	inductive proximity switch M18x1 NPN/PNP	5002 0109 0000
ZT 410	inductive proximity switch M12x1 NPN	5002 0115 0000
ZT 403	inductive proximity switch M12x1 NPN/PNP	5002 0108 0000
ZT 402	inductive proximity switch M12x1 NPN/PNP	5002 0107 0000
ZT 400	inductive proximity switch M8x1 NPN	5002 0105 0000
ZT 416	inductive proximity switch M8x1 PNP	5002 0121 0000
ZT 398	inductive proximity switch M5x0,5 NPN	5002 0110 3000
ZT 399	inductive proximity switch M5x0,5 PNP	5002 0104 0000
ZT 205 plug	M16 7-pin own manufacture	6330 0040 0000
M12 plug	4 pin own manufacture	6200 0627
M8 plug	3 pin own manufacture	6200 01569

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## pin assignment

### M16, 7pin (6410 4041 xxxx)

colour	Pin	operation
-	1	n.c.
-	2	jumper to 3
-	3	jumper to 2
white or yellow	4	signal
green and shield	5	GND 0V
brown	6	UB
-	7	n.c.

### M12, 4pin (6200 0627)

colour	Pin	operation
brown	1	UB
-	2	n.c.
blue	3	GND 0V
white or black	4	signal

### M8, 3pin (6200 01569)

colour	Pin	operation
brown	1	UB
white or black	4	signal
blue	3	GND 0V

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