



Produktserie P41 product series P41



Produktserie / product series ————— P41-40-2P-CM12
 Reichweite / sensing range in cm —————
 Ausgang / output: 2xPNP (2P) / 2xNPN (2N) / 0 .. 10 V (U) / 4 .. 20 mA (I) —————
 Steckverbinder / connector: M12 (CM12) —————



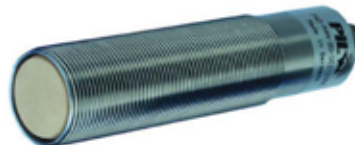
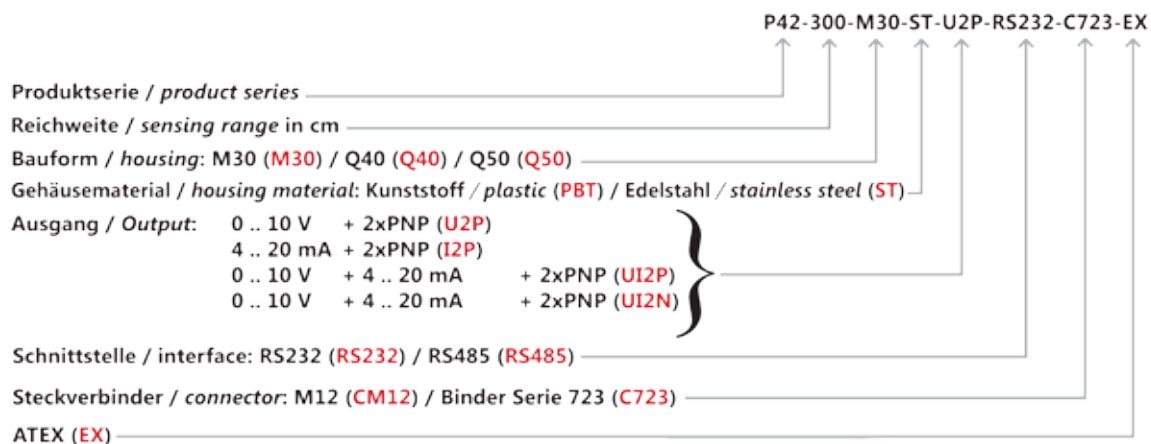
**Cubical design, space-saving mounting with low installation-height!
Teach-in via switch!**

- cubical design (100 x 36 x 32,5mm)
- wide detection ranges (30 to 3500mm)
- analogue sensors with I- or U- characteristic
- digital sensors with 2 outputs (PNP or NPN)
- additional „Echo“ LED
- Teach-In via pushbutton
- windows- or hysteresis-mode
- synronization of more sensors possible

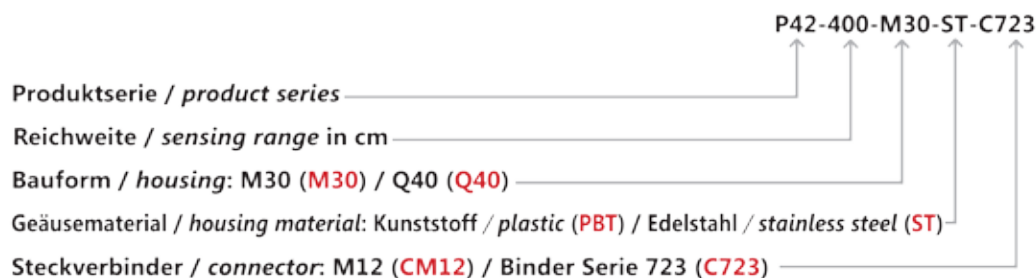




Produktserie P42 mit integrierter Auswerteelektronik product series P42 with integrated signal conditioner



Produktserie P42 für externe Signalverarbeitung product series P42 for external signal conditioner





Produktserie P42 Auswerteelektronik *product series P42* signal conditioner



Produktserie / *product series* _____
Reichweite / *sensing range* in cm _____
Bauform / *housing*: Box (**BOX**) _____
Ausgang / *output*: 0 .. 10 V + 4 .. 20 mA + 2xPNP (**UI2P**) _____
Schnittstelle / *interface*: RS232 (**RS232**) _____

P42-400-BOX-UI2P-RS232

Produktserie P42 Set: externe Signalverarbeitung + Auswerteelektronik *product series P42* Set: external signal conditioner + signal conditioner



Produktserie / *product series* _____
Reichweite / *sensing range* in cm _____
Bauform / *housing*: Auswerteelektronik / *signal conditioner* + M30 (**SET/M30**)
Auswerteelektronik / *signal conditioner* + Q40 (**SET/Q40**) }
Ausgang / *output*: 0 .. 10 V + 4 .. 20 mA + 2xPNP (**UI2P**) _____
Schnittstelle / *interface*: RS232 (**RS232**) _____

P42-400-SET/M30-UI2P-RS232

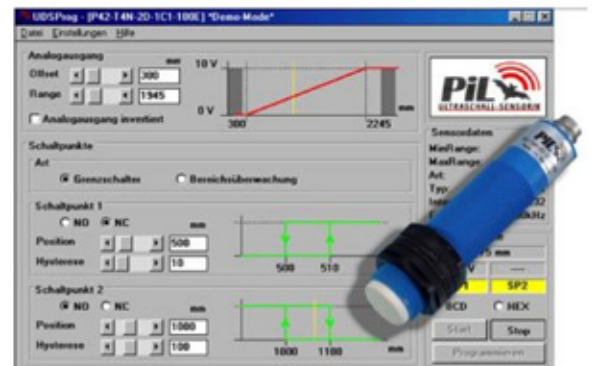




PRODUCTSERIES P42

For complex applications – programmable via software!

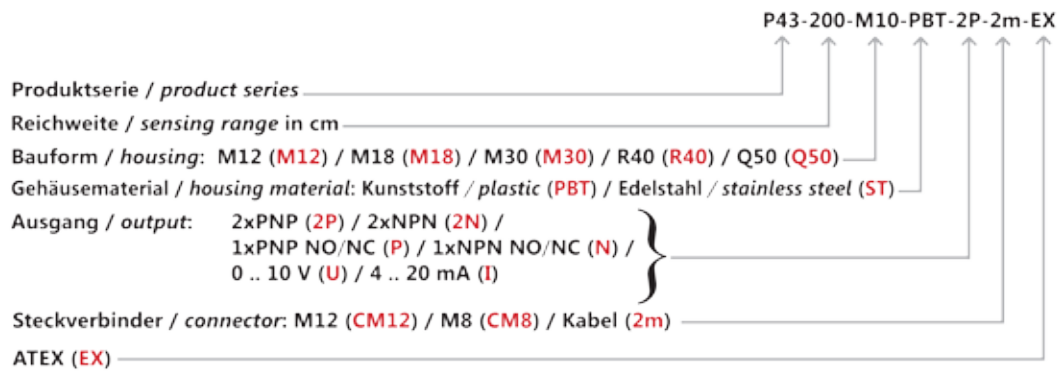
- cylindrial design (M30)
- cubical design (80mm x 80mm)
- wide detection ranges (100 to 8000mm)!
- programmable via easy understandable software
- sensors with external signal conditioner
- interfaces RS232 and RS485
- additional „Echo“ LED as alignment aid
- analogue outputs (0-10V / 4-20mA)
- with 2/4 additional digital outputs
- adjustment of switching distance, hysteresis and outputs easy via software





Produktserie P43

product series P43



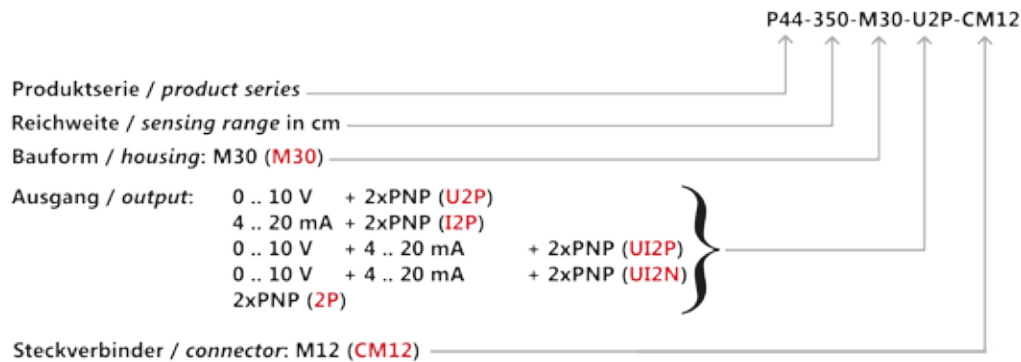
For demanding applications with more than one switching point or variable output-characteristic, window-, hysteresis-mode, Teach-In via remote!!

- cylindrical design (M12 – M30)
- cubical design
- detection ranges (200 to 6000mm)
- narrow sound cones with small blindzones
- analogue sensors with variable I- and U-characteristic
- digital sensors with 2 outputs (PNP or NPN)
- additional „Echo“-LED as alignment aid
- Teach-In via remote / window- and hysteresis-mode / temperature compensation





Produktserie P44 product series P44



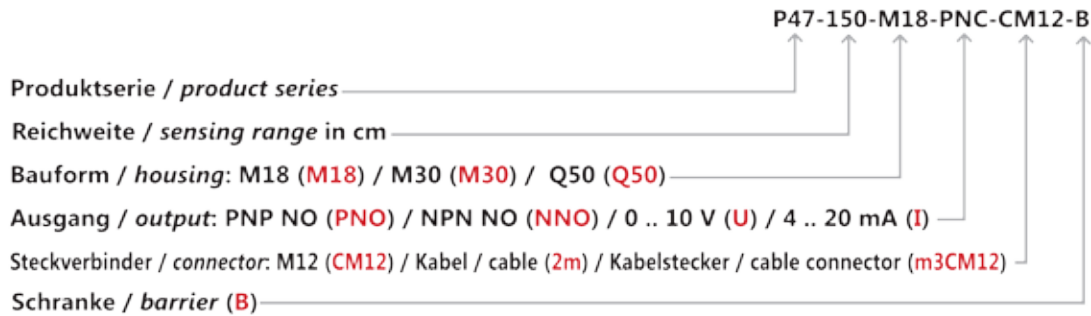
Cubical sensors M30 with analogue output (0-10V or 4-20mA) and two additional digital outputs (PNP or NPN)!
Teach-In via pushbutton!

- cylindrical design (M30)
- detection range from 150mm up to 3500mm
- analogue output (0-10V or 4-20mA)
- + 2 additional switching points (PNP)
- „Echo“ LED
- Teach-In via pushbutton





Produktserie P47 product series P47



For basic applications! Easy adjustment of digital sensors via potentiometer! Analogue sensors are preset with fixed characteristic curves!

- cylindrical design (M18 – M30)
- cubical design (80mm x 80mm)
- detection ranges from 60mm up to 5000mm
- analogue characteristic (I or U) are preset
- digital (switching) sensors with 1 NO output (PNP or NPN)
- easy adjustment of the digital sensors via poti
- synchronisation of more sensors possible
- single-barrier type available





Produktserie P48 product series P48



Produktserie / product series ————— P48-30-R30-PNC-2m-B
Reichweite / sensing range in cm —————
Bauform / housing: R30 (R30) / R50 (R50) —————
Ausgang / output: PNP NO (PNO) / NPN NO (NNO) / PNP NC (NNO) / NPN NC (NNC) —————
Kabel / cable (2m) —————
Schränke / barrier (B) —————



Cubical Ultrasonic-Barriers with high switching frequencies!

- cubical design (101 x 36 x 32,5mm)
- detection ranges (300 to 1100mm)
- connector M12
- digital output with 1x NO (PNP or NPN)
- high switching frequencies (150Hz)!





Produktserie P49 product series P49



P49-200-M18-PNO-CM12

Produktserie / product series —————

Reichweite / sensing range in cm —————

Bauform / housing: M18 (M18) / M30 (M30) / Q50 (Q50) —————

Ausgang / output: PNP NO (PNO) / 0 .. 10 V (U) / 4 .. 20 mA (I) —————

Steckverbinder / connector: M12 (CM12) / Kabel (2m) / Kabelstecker (m3CM12) —————



Cost effective series for basic applications with high quantities!

- cylindrical design (M18 – M30)
- cubical design (80mm x 80mm)
- large detection range from 30 up to 6000 mm
- small blind zone
- analog sensors with fixed current or voltage characteristic curve
- switching sensors with 1 output NO (PNP or NPN)
- easy adjustment of digital types via remote!





Produktserie P53 *product series P53*



P53-150-M30-PNO-CM12

Produktserie / *product series* _____

Reichweite / *sensing range* in cm _____

Bauform / *housing*: M30 (M30) / Ø30 (D30) _____

Ausgang / *output*: PNP NO (PNO) / PNP NC (PNC) / 0 .. 10 V (U) / 4 .. 20 mA (I) _____

Steckverbinder / *connector*: M12 (CM12) _____



Ultrasonic-Sensor P53... fully encapsulated stainless steel housing – for the *roughest* environmental conditions!

- robust STEEL HEAD - housing (1.4571)
- cylindrial design (M30 or ø30)
- detection range from 150mm up to 1500mm
- higher temperature range up to 80°C
- temperature compensation
- high sealing IP68 / IP69K
- analogue and digital outputs (PNP NO / 0-10V / 4-20mA)
- various application possibilites due to insensitivity of dust, moisture, steam,

