



**Model number:**

**Technical data:**

**Distance**

read distance with IPC02-20  
read distance with IPC01-20W  
read distance with IPC02-30W  
read distance with IPC02-50W  
read distance with IPC02-50  
read distance with IPC02-C1  
read distance with IPC03-20  
write distance with IPC03-20  
read distance with IPC03-50  
write distance with IPC03-50  
read distance with IPC03-C1  
write distance with IPC03-C1

**Serial Interface**

**Announce:**

LED green / yellow

**Elektrical ratings:**

Working voltage  $U_B$   
Remaining ripple  
max.current consumption to  $U_B = 24 V$

**Mechanical data:**

Housing material  
Operating temperature  
Storage temperature  
Protection class to EN 60529  
Method of connection  
Interface cable  
Power supply

**IPT-FP**

**in air**

0 mm ... 40 mm  
0 mm ... 40 mm  
0 mm ... 50 mm  
0 mm ... 80 mm  
0 mm ... 80 mm  
0 mm ... 80 mm  
0 mm ... 30 mm  
0 mm ... 25 mm  
0 mm ... 60 mm  
0 mm ... 45 mm  
0 mm ... 60 mm  
0 mm ... 45 mm

Different bases with integrated serial interface are available for the read/write head

**Base:**

U-P3-RX with RS232 and RS485  
U-P3-R4 with RS485 addressable

The base must be ordered separately

"Power on" / "IPC detected"

20 V DC ... 30 V DC, PELV  
 $\pm 10 \%$ , bei  $U_B = 30 V$   
< 300 mA

PBT (Polybutylenterephthalate)  
248 Kelvin ... 343 Kelvin (-25 °C ... +70 °C)  
233 Kelvin ... 358 Kelvin (-40 °C ... +85 °C)  
IP67 with application unit PG-threaded joint  
terminal screw  
3 x 0.14 mm<sup>2</sup> shield, max. resistor 100  $\Omega$ /km  
2 x 1.0 mm<sup>2</sup> max. resistor 100  $\Omega$ /km