

Photoelectric sensors OR17

Multinorm

OR17 ES Through-beam sensors
OR17 RT Diffuse reflective sensors
OR17 PS Polarised retroreflective sensors



120 x 41.5 x 41.5 mm

Through-beam sensors
25 m (82.0 ft)

120 x 41.5 x 41.5 mm

Diffuse reflective sensors
500 mm (19.7")

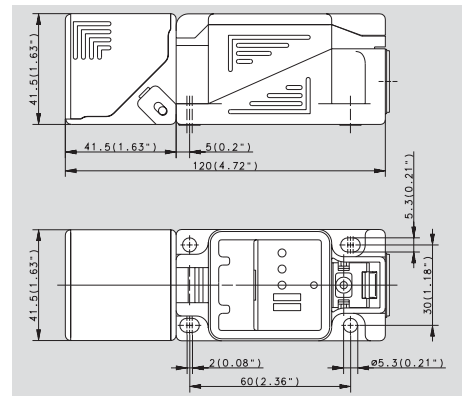
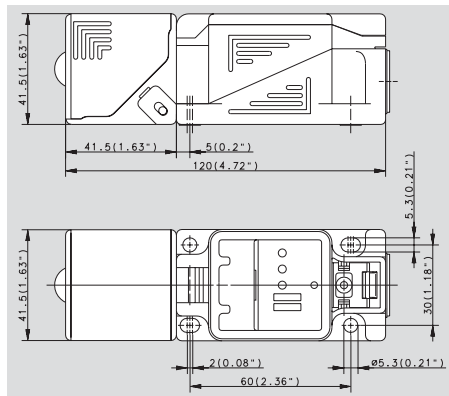
Sensing type	
Sensing distance / range	
Model description	
PNP/NPN ¹⁾	
Changeover switch	Part number
	Wiring diagram (page/pos.)
Stock status: Ex stock/Built to order	
Model description	
PNP selectable	Part number
	Wiring diagram (page/pos.)
Stock status: Ex stock/Built to order	
Model description	
NPN selectable	Part number
	Wiring diagram (page/pos.)
Stock status: Ex stock/Built to order	
Model description	
Transmitter	Part number
	Wiring diagram (page/pos.)
Stock status: Ex stock/Built to order	
Voltage range	
Short-circuit protection	
Output current	max.
Switching frequency	max.
LED for output function/supply voltage/diagnostic	
Adjustable sensitivity	
Timer function	
Diagnostic function	
Temperature range	min./max.
Protection type	
Screw-clamp termination	(page/Pos.)
Cable length (2 m)	Cross section (mm ²)
Plug	(page/Pos.)
Accessories	(page/Pos.)

Through-beam sensors		Diffuse reflective sensors	
25 m (82.0 ft)		500 mm (19.7")	
Version with 2 switching point on request			
-	OR17 EE-DPTU-25.0-AHE	OR17 RT-DPTU-0500-AHE	-
	655.1860.001	655.7060.001	
	272/9	272/9	
	-/●	●/-	
-	-	-	OR17 RT-DPTP-0500-AGEC
			655.7860.001
			272/4
			●/-
-	-	-	-
OR17 SE-DOOS-25.0-AVC	-	-	-
655.1060.001			
272/4			
-/●			
SE: 10-60 V DC	EE: 10-60 V DC	10-60 V DC	10-60 V DC
-	●	●	●
-	400 mA	400 mA	400 mA/50 mA ²⁾
-	>50 Hz	>50 Hz	>50 Hz
-/●/-	●/●/-	●/●/-	●/●/● ³⁾
-	●	●	●
-	-	-	-
●	-	-	●
0 °C/+70 °C	0 °C/+70 °C	-5 °C/+70 °C	-5 °C/+70 °C
+32 °F/+158 °F	+32 °F/+158 °F	+23 °F/+158 °F	+23 °F/+158 °F
IP 65/NEMA 12	IP 65/NEMA 12	IP 65/NEMA 12	IP 65/NEMA 12
272/4	272/9	272/9	272/4
-	-	-	-
-	-	-	-
-	-	-	-

Dimensions

- ¹⁾ Two integrated DIP switches allow to select between light or dark activation (LA/DA) and between NPN or PNP
- ²⁾ 50 mA output current for activated diagnostic signal
- ³⁾ Red LED flashes in unsafe operation mode (e.g. maladjustment); diagnosis output (see 2) is static

All dimensions in mm (inch)





120 x 41.5 x 41.5 mm

Diffuse reflective sensors

2 m (6.56 ft)

OR17 RT-DPTU-
02.0-AHE
655.7060.002
272/9

●/-

OR17 RT-DPTP-
02.0-AGEC
655.7860.002
272/4
●/-



120 x 41.5 x 41.5 mm

Polarised retroreflective sensors

8 m (26.2 ft)

OR17 PS-DPTU-
08.0-AHE
655.5060.001
272/9

●/-

OR17 PS-DPTP-
08.0-AGEC
655.5860.001
272/4
-/●

10-60 V DC

●
400 mA

>50 Hz

●/●/-

●

-

-

-5 °C/+70 °C

+23 °F/+158 °F

IP 65/NEMA 12

272/9

-

-

-

10-60 V DC

●
400 mA/50 mA²)

>50 Hz

●/●/●³)

●

-

●

-5 °C/+70 °C

+23 °F/+158 °F

IP 65/NEMA 12

272/4

-

-

-

10-60 V DC

●
400 mA

>50 Hz

●/●/-

●

-

-

-5 °C/+70 °C

+23 °F/+158 °F

IP 65/NEMA 12

272/9

-

-

274

10-60 V DC

●
400 mA/50 mA²)

>50 Hz

●/●/●³)

●

-

●

-5 °C/+70 °C

+23 °F/+158 °F

IP 65/NEMA 12

272/4

-

-

274

