

Photoelectric sensors OR90

AC/DC types
AC types
DC types

OR90 ES Through-beam sensors
OR90 RS Retroreflective sensors



85 x 50 x 23 mm

85 x 50 x 23 mm

Sensing type		Through-beam sensors	Retroreflective sensors
Sensing distance / range		12 m (39.4 ft)	8 m (26.2 ft)
Model description		OR90 EE-AAR5-12.0-4L	OR90 RS-MAR5-08.0-CL
Relay output		655.1696.001	655.4696.001
- Contacts: changeover (1 x)		272/8	272/8
- Switching current 3 A		●/–	●/–
Wiring diagram (page/pos.)			
Stock status: Ex stock/Built to order			
Model description		OR90 SE-AOOS-12.0-4V	–
Transmitter		655.1096.002	–
Wiring diagram (page/pos.)		271/2	–
Stock status: Ex stock/Built to order		–/●	–
Model description		–	–
PNP antivalent		–	–
Wiring diagram (page/pos.)		–	–
Stock status: Ex stock/Built to order		–	–
Model description		–	–
NPN antivalent		–	–
Wiring diagram (page/pos.)		–	–
Stock status: Ex stock/Built to order		–	–
Voltage range		SE: 185–242 V AC	EE: 185–242 V AC
Short-circuit protection		–	–
Output current		–	3 A
Switching frequency		–	>50 Hz
LED for output function/supply voltage/diagnostic		–/●/–	●/–/–
Adjustable sensitivity		–	–
Timer function		–	–
Diagnostic function		–	–
Temperature range		0 °C/+70 °C	0 °C/+70 °C
		+32 °F/+158 °F	–20 °C/+70 °C
		–	–4 °F/+158 °F
Protection type		IP 65/NEMA 12	IP 65/NEMA 12
Screw-clamp termination		–	–
Cable length (2 m)		4 m/2 x 0.5	5 x 0.5
Cross section (mm ²)		4 m/5 x 0.5	–
Plug		–	–
Accessories		273/4	273/4; 274

Dimensions

All dimensions in mm (inch)

