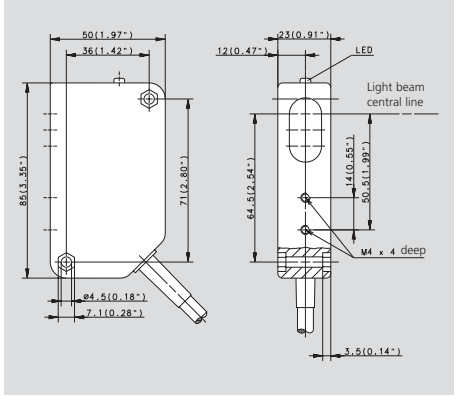
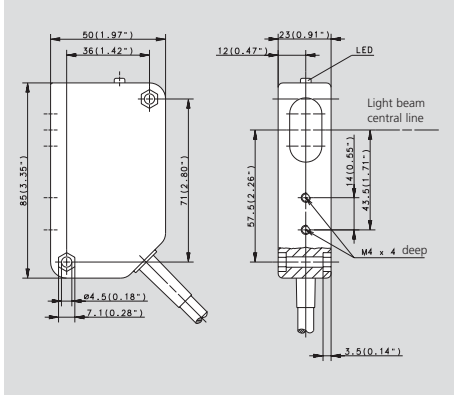
Photoelectric sensors OR90

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					
– Contacts: changeover (1 x)	**Part number**			**655.1696.001**	**655.4696.001**
– Switching current 3 A	Wiring diagram (page/pos.)			272/8	272/8
Stock status: Ex stock/Built to order				●/–	●/–
	Model description		OR90 SE-AOOS- 12.0-4V	–	–
Transmitter					
	Part number		**655.1096.002**		
	Wiring diagram (page/pos.)		271/2		
Stock status: Ex stock/Built to order			–/●		
	Model description		–	–	–
PNP					
antivalent	**Part number**				
	Wiring diagram (page/pos.)				
Stock status: Ex stock/Built to order					
	Model description		–	–	–
NPN					
antivalent	**Part number**				
	Wiring diagram (page/pos.)				
Stock status: Ex stock/Built to order					
Voltage range			SE: 185–242 V AC	EE: 185–242 V AC	12–265 V AC/DC
Short-circuit protection			–	–	–
Output current		max.	–	3 A	3 A
Switching frequency		max.	–	>50 Hz	>80 Hz
LED for output function/supply voltage/diagnostic			–/●/–	●/–/–	●/–/–
Adjustable sensitivity			–	–	–
Timer function			–	–	–
Diagnostic function			–	–	–
Temperature range		min./max.	0 °C/+70 °C	0 °C/+70 °C	–20 °C/+70 °C
			+32 °F/+158 °F	+32 °F/+158 °F	–4 °F/+158 °F
Protection type			IP 65/NEMA 12	IP 65/NEMA 12	IP 65/NEMA 12
Screw-clamp termination		(page/Pos.)	–	–	–
Cable length (2 m)	Cross section	(mm²)	4 m/2 x 0.5	4 m/5 x 0.5	5 x 0.5
Plug		(page/Pos.)	–	–	–
Accessories		(page/Pos.)	273/4	273/4	273/4; 274

Dimensions

All dimensions in mm (inch)