

# BERO Proximity Switches

## IQ Sense

### IQ-Sense photoelectric sensors

#### Technical specifications

Form	C40 IQ Sense		K80 IQ Sense	
<b>Diffuse sensor (energetic sensor)</b>				
Sensing range	m	0,7	2	
Standard target	mm	200 × 200 (white)		
Emitter (type of light)	nm	660 (red LED )	880 (IR LED)	
Current input	mA	50		
Response time	ms	1		
LEDs	Switching display (yellow), surplus light (green)			
Enclosure material	ABS + PBTP		PBTP	
Degree of protection	IP67			
Dimensions	mm	40 × 40 × 53	83 × 65 × 25	
<b>Diffuse sensor with background suppression</b>				
Sensing range	m	–	0.2 ... 1	
Standard target	mm	–	200 × 200 (white)	
Emitter (type of light)	nm	–	880 (IR LED)	
Current input	mA	–	50	
Response time	ms	–	2	
LEDs	Switching display (yellow), surplus light (green)			
Enclosure material	PBTP			
Degree of protection	IP67			
Dimensions	mm	–	83 × 65 × 25	
<b>Retroreflective sensor</b>				
Sensing range	m	6	8	
Reflector	Type D84, 3RX7916			
Emitter (type of light)	nm	660 (red LED, polarized)		
Current input	mA	50		
Response time	ms	1		
LEDs	Switching display (yellow), surplus light (green)			
Enclosure material	ABS + PBTP		PBTP	
Degree of protection	IP67			
Dimensions	mm	40 × 40 × 53	83 × 65 × 25	

#### Selection and ordering data

Version	Form	Operating mode	Order No.
<b>Photoelectric sensors</b> for connection to the 4 IQ Sense sensor module	C40 IQ Sense	Diffuse sensor	<b>3SF7 240-3JQ00</b>
		Retroreflective sensor with	<b>3SF7 241-3JQ00</b>
	K80 IQ Sense	Diffuse sensor	<b>3SF7 210-3JQ00</b>
		Diffuse sensor with background suppression	<b>3SF7 214-3JQ00</b>
		Retroreflective sensor with	<b>3SF7 211-3JQ00</b>