

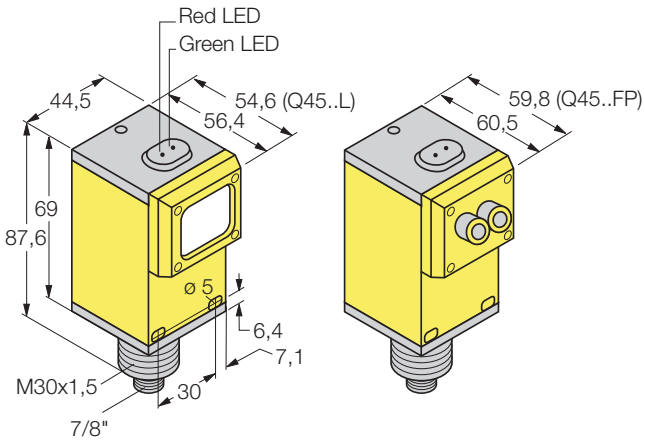


# Q45 series with BUS Interface



### Dimensions [mm]

• Connector



### Wave length

IR (infrared)	880 nm
Red	680 nm
	660 nm (Q45...FP)

### Adjustment

sensitivity  
light/dark operate

### Supply

Supply voltage	BUS dependent
No load current	≤ 60 mA (BUS dependent)
Delay upon power up	100 ms

### Output

Continuous load current	BUS dependent
Switching frequency	250 Hz

### Material

Housing	PBT
Lens	acrylic
Cover	Lexan® (PC)
Protection class	IP 67
Temperature range	-40...+70 °C
Connector	minifast®

### Indicator LED's

Red	light sensed
	AID (alignment indicating device)
Green	power-on

### Wiring

BUS dependent

### Accessories

#### Plug-in modules for BUS functions

45AS1	30 400 58	AS-Interface™
45DN1	30 400 59	DeviceNet™
45SD1	30 400 60	SDS™

#### Brackets

SMB30A	34 703 00	angle bracket
SMB30SC	30 525 21	swivel mount bracket
SMB30C	34 701 00	split clamp bracket

# Photoelectric sensors

## Q45 series with BUS Interface

Excess gain curve:  
Excess gain in relation to the distance

	Max. range / Fibre type	Light source	Output function	Connection	Type	Ident number
<b>Retro-reflective</b> 	0,08...9 m	red	BUS dependent	connector	<b>Q45-XB6-LV-Q</b>	30 378 81
	0,15...6 m	red	BUS dependent	connector	<u>with polarising filter</u> <b>Q45-XB6-LP-Q</b>	30 378 82
<b>Diffuse</b> 	450 mm	IR	BUS dependent	connector	<b>Q45-XB6-D-Q</b>	30 378 83
	1,8 m	IR	BUS dependent	connector	<b>Q45-XB6-DL-Q</b>	30 378 84
<b>Convergent</b> 	38 mm	red	BUS dependent	connector	<b>Q45-XB6-CV-Q</b>	30 378 85
	100 mm	red	BUS dependent	connector	<b>Q45-XB6-CV4-Q</b>	30 378 86
<b>Opposed</b> 	60 m	IR IR	- BUS dependent	connector connector	<b>Q45-XB6-E-X</b> <b>Q45-XB6-R-Q</b>	30 378 79 30 378 80
<b>Fibre-optic</b> 	glass	IR	BUS dependent	connector	<b>Q45-XB6-F-Q</b>	30 378 87
	plastic	red	BUS dependent	connector	<b>Q45-XB6-FP-Q</b>	30 378 88

Subject to changes without notice • Edition 03.99 • P/N ED066C9A



**IMPORTANT SAFETY WARNING !** These sensors do NOT include the self-checking redundant circuitry necessary to allow their use in personnel safety applications. A sensor failure or malfunction can result in either an energised or de-energised output condition. These products should not be used as sensing devices for personnel safety.