

IO-Link
SensorsPhotoelectric
SensorsFiber-optic
Sensors

Standard Fibers

Fiber Sensors
Communication
Units

Mark Sensors

Laser Sensors

Safety Sensors

Pressure &
Flow SensorsInductive
Proximity
SensorsMeasurement
SensorsIonizers/
Electrostatic
Sensors

Accessories



SF4B-C

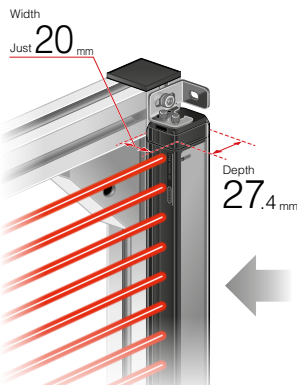
Type 4 · PLe · SIL3

Mounts flush on aluminum frames

Features

■ Compact size

The **SF4B-C** series has been designed to mount flush with the aluminum frame. This means the machine opening will not be made any narrower. It can even be installed with zero blind zone.



■ Easy mounting on aluminum frame



Buried mounting (side)

The light curtain mounts flush, even in installations with buried mounting.

- › There is no risk of workpieces bumping into the light curtain.

Rear mounting

- › The light curtain fits onto a 20 × 20mm aluminum frame perfectly.



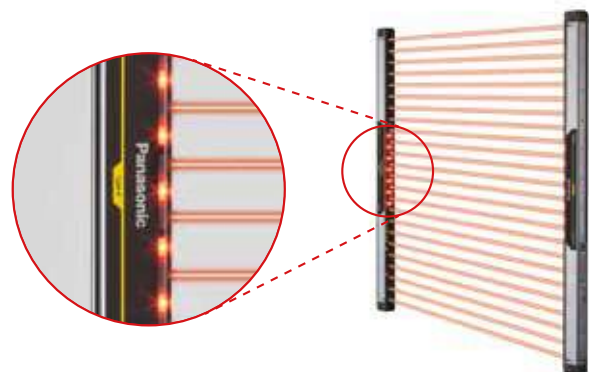
■ The SFB-HC handy controller (optional)

offers easy access to settings for a range of functionality.



■ With the pigtailed type, the large indicator is easy to see also from the side

The SF4B-C series incorporates a large multi-purpose indicator (orange) positioned at workers' eye level. The indicator signals the presence of the light curtain, helping to prevent stoppages due to inadvertent interruption of its beams. The indicator can be used in a variety of applications, including as a muting indicator or operation indicator. The large multi-purpose indicator shines brightly through the plastic body to ensure exceptional visibility from the side.



Technical specifications

Type	Pigtailed type (note 1, 2)		Cable type	
	Hand protection type	Arm protection type	Hand protection type	Arm protection type
Model no.	SF4B-H12CA-J05	SF4B-A12CA-J05	SF4B-H12C	SF4B-A12C
Safety category	Type 4, PLe, SIL3			
Protective height	263.4 to 1943.4mm			
Sensing range	0 to 7m			
Beam pitch	20mm	40mm	20mm	40mm
Object to be sensed	Min. Ø 25mm (opaque)	Min. Ø 45mm (opaque)	Min. Ø 25mm (opaque)	Min. Ø 45mm (opaque)
Supply voltage	24V DC ±10%			
Response time	ON → OFF: max. 14ms / OFF → ON: max. 90ms			
Control outputs	OSSD1 and OSSD2 (2 x PNP or 2 x NPN open collector transistor, switchable), max. 200mA			
Emitting element	Infrared LED, 850nm			
Protection	IP65 (IEC)			
Ambient temperature	-10 to +55°C			
Material	Polycarbonate			
Connection method	12-wire PVC cable with connector, 0.5m		8-wire PVC cable, 5m	
Dimensions (HxWxD)	Hx20x27.4mm (H= depending on protective height)			

Notes:

- 1.) For a system configuration, please contact your sales office or service hotline: +49 (0) 89-45354-2737
- 2.) Integrated muting function

Protective height

	Model no.		Protective height (mm)	Installation height (mm) (note)	No. of beam axes
	Pigtailed type (note)	Cable type			
Hand protection type	SF4B-H12CA-J05	SF4B-H12C	263.4	294.4	12
	SF4B-H16CA-J05	SF4B-H16C	343.4	374.4	16
	SF4B-H20CA-J05	SF4B-H20C	423.4	454.4	20
	SF4B-H24CA-J05	SF4B-H24C	503.4	534.4	24
	SF4B-H28CA-J05	SF4B-H28C	583.4	614.4	28
	SF4B-H32CA-J05	SF4B-H32C	663.4	694.4	32
	SF4B-H36CA-J05	SF4B-H36C	743.4	774.4	36
	SF4B-H40CA-J05	SF4B-H40C	823.4	854.4	40
	SF4B-H48CA-J05	SF4B-H48C	983.4	1014.4	48
	SF4B-H56CA-J05	SF4B-H56C	1143.4	1174.4	56
	SF4B-H64CA-J05	SF4B-H64C	1303.4	1334.4	64
	SF4B-H72CA-J05	SF4B-H72C	1463.4	1494.4	72
	SF4B-H80CA-J05	SF4B-H80C	1623.4	1654.4	80
	SF4B-H88CA-J05	SF4B-H88C	1783.4	1814.4	88
	SF4B-H96CA-J05	SF4B-H96C	1943.4	1974.4	96
Arm protection type	SF4B-A8CA-J05	SF4B-A8C	343.4	374.4	8
	SF4B-A12CA-J05	SF4B-A12C	503.4	534.4	12
	SF4B-A16CA-J05	SF4B-A16C	663.4	694.4	16
	SF4B-A20CA-J05	SF4B-A20C	823.4	854.4	20
	SF4B-A24CA-J05	SF4B-A24C	983.4	1014.4	24
	SF4B-A28CA-J05	SF4B-A28C	1143.4	1174.4	28
	SF4B-A32CA-J05	SF4B-A32C	1303.4	1334.4	32
	SF4B-A36CA-J05	SF4B-A36C	1463.4	1494.4	36
	SF4B-A40CA-J05	SF4B-A40C	1623.4	1654.4	40
	SF4B-A44CA-J05	SF4B-A44C	1783.4	1814.4	44
	SF4B-A48CA-J05	SF4B-A48C	1943.4	1974.4	48

Note: The installation height depends on the mounting bracket. Specifications with standard mounting bracket **MS-SF4BC-1**

IO-Link
SensorsPhotoelectric
SensorsFiber-optic
Sensors

Standard Fibers

Fiber Sensors
Communication
Units

Mark Sensors

Laser Sensors

Safety Sensors

Pressure &
Flow SensorsInductive
Proximity
SensorsMeasurement
SensorsIonizers/
Electrostatic
Sensors

Accessories

SF4B-C