



Product Service

CERTIFICATE

No. Z10 15 05 19003 087

Holder of Certificate: Panasonic Industrial Devices
SUNX Co., Ltd.

2431-1, Ushiyama-cho
Kasugai-shi
Aichi
486-0901 JAPAN

Factory(ies): 19003, 22943, 47710

Certification Mark:



Product: Electro-Sensitive Protective Equipment
Safety Light Curtain (Type 4)

Model(s): SF4B x xx x xx xx xxx x
For nomenclature see attachment

Parameters:

Supply voltage:	24VDC (±10%)
Response time:	14ms
Ambient temperature:	-10°C to +55°C
Detection capability:	F : 14mm H : 25mm A : 45mm
OSSD (PNP/NPN):	max. 200mA
Degree of protection:	IP65 / IP67

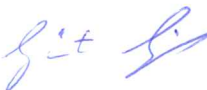
Tested according to:

2006/42/EC
IEC 61496-1(ed.3) (Type 4)
EN 61496-1:2013 (Type 4)
IEC 61496-2(ed.3) (Type 4)
IEC 61508-1(ed.2) (SIL 3)
IEC 61508-2(ed.2) (SIL 3)
IEC 61508-3(ed.2) (SIL 3)
IEC 61508-4(ed.2) (SIL 3)
EN ISO 13849-1:2008 (Cat. 4, PL e)
EN 50178:1997

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: SU82717T
Valid until: 2020-05-17

Date, 2015-05-18


(Günter Greil)

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Product Service

Attachment to the certificate Z10 15 05 19003 087

Nomenclature of product type

SF4B - x xx x xx xx xxx x <V2>
 (A) (B) (C) (D) (E) (F) (G) (H)

(A) <Detecting object size beam pitch>

F: Finger 14mm (10mm pitch)
 H: Hand 25mm (20mm pitch)
 A: Arm 45mm (40mm pitch)

(B) <The number of beam channels>

F Type 23, 31, 39, 47, 55, 63, 71, 79, 87, 95, 103, 111, 119, 127
 H Type 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72,
 76, 80, 84, 88, 92, 96, 100, 104, 108, 112, 116, 120, 124
 A Typ 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38,
 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64

(C) <Enclosure type>

None: Normal case type
 G: Robust case type
 C: Plastic case type
 CA: Plastic case type (Large indicator type)
 CG: Plastic case type (Robust case type)
 CAG: Plastic case type (Robust case and large indicator type)

(D) < Initial setting of Functions>

None: The setting of functions can be changed with SFB-HC
 TS,T,01,02,03: The setting of functions can't be changed with SFB-HC
 xx: Different default of functions

(E) <Painting (coat)>

None: Normal type
 MZ: Special painting (SF4B and SF4B-G)

Department: TR-RAMUC
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Product Service

(F) <Type and length of the cable>

None: Cable is not provided (SF4B and SF4B-G)

Discrete wire type. The length of cable is **5m** (SF4B-C only)

JXX: Connector type. The length of cable is XXm (SF4B-C only)

CXX: Discrete wire type. The length of cable is XXm (SF4B-C only)

(G) <Device type>

None: A set of Emitter and Receiver

E: Emitter

D: Receiver

(H) <IP level>

None: IP65 (SF4B and SF4B-G)

IP65/IP67 (SF4B-C only)

<V2>: IP65 / IP67 (SF4B and SF4B-G)

Department:
Date:TR-RAMUC
2015-05-18