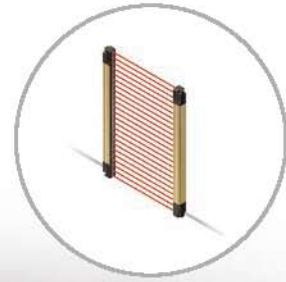
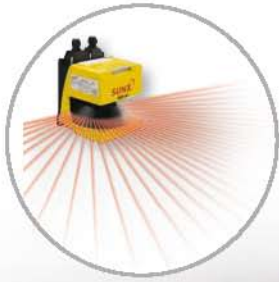


Panasonic
ideas for life


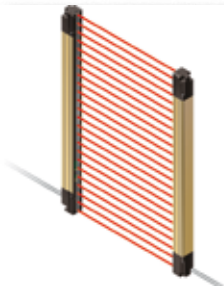




Safe automation solutions...

...from Panasonic, where safety is first



DETECT

				
Products	Safety light curtain SF4-C	Safety light curtain SF2-B/SF4-B	Safety beam sensor ST4	Safety laser scanner SD3-A1
Approvals	EN62061, SIL CL 3 EN ISO13849-1, PL e EN61496-1, type 4	EN 62061, SIL CL 2/3 EN ISO 13849-1, PLd/e EN61496-1, type 2/4	EN62061, SIL CL 3 EN ISO 13849-1, PL e EN61496-1, type 4	EN62061, SIL CL 2 EN ISO 13849-1, PLd EN61496-1, type 3
Applications and functions	<p>Ultra compact safety light curtain with a mounting depth of just 13mm.</p> <ul style="list-style-type: none"> ■ LED display can be configured ■ Muting function ■ Blanking function (fixed/floating) ■ Integrated display LED (e.g. muting lamp) ■ IP67 ■ Input for external protective devices such as emergency stop, safety limit switch (extra safety module unnecessary) 	<p>The SF2-B and SF4-B and SF2-B series are characterized by a large variety of models and modular expansion.</p> <ul style="list-style-type: none"> ■ Safety height equals actual height ■ Ultra compact design ■ No dead zone ■ Integrated muting control (SF4-B) ■ Serial connection (also for gap-free monitoring) ■ Blanking function (fixed/floating) (SF4-B) ■ IP67 	<p>The ST4 safety beam sensor was conceived to protect dangerous areas.</p> <ul style="list-style-type: none"> ■ Compact design ■ Version with muting function available ■ Serial connection possible ■ Range 0.1 to 15m ■ IP67 	<p>The SD3-A1 series safety laser scanner monitor an area within an angle of 190° and a protective area of 4m invisibly and free of contact.</p> <ul style="list-style-type: none"> ■ Easy configuration with PC software ■ Individual protective field and warning field configuration ■ Backup function

ANALYZE



ACT



FP-Safe safety controllers for Panasonic PLCs

EN 62061, SIL CL 3
Two-hand control according to EN 574, type IIIC

- Modular, multifunctional system for safety-related applications in automation
- Up to 5 safety-related functions can be configured in the base unit. Expansion units allow for even more safety-related functions
- Safety-related functions can be configured easily and securely with an intuitive software tool
- Predefined safety-related functions such as two-hand control, protection cover, permission, standstill and motion monitoring, emergency stop
- Integrated diagnostic option via serial interface to Panasonic FP controllers
- FP-Safe includes a number of freely configurable inputs and outputs
- Open communication via PROFIBUS/PROFINET, CANopen and DeviceNet



Minas A5 series servo drives for all motion control applications

EN 61508/62061, SIL CL 2
EN ISO 13849-1, PL d
EN 61800-5-2, STO
IEC 61326-3-1

- Servo drives for all positioning control tasks within a range of 50 – 5000W for machine and equipment building, e.g. for the packaging machines, labeling systems, assembly robots and cable assembly machines
- Integrated, self-sufficient safety functions. Safe torque off according to EN 61800-5-2, STO



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