

# Reliability Data for Safety of Machinery

# Safety Components



OMRON Corporation

23-May-2013

Contents of this document are subject to change without notice.  
E-09 means  $10^{-9}$ .

Products	Model	Condition / Function	SIL	PFHd	PL	Category	MTTFd(Year)	DCavg (%)	B10d	Note
E-STOP Switch	A22E series	Normally Closed contact	-	-	-	-	-	-	1.00E+05	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
E-STOP Switch	A165E series	Normally Closed contact	-	-	-	-	-	-	1.00E+05	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4NS Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4BS Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4GS-N Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4NL Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4SL Series, D4SL-N Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4JL Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4GL Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Switch	D4BL Series	Normally Closed contact	-	-	-	-	-	-	2.00E+06	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Door Hinge Switch	D4NH Series	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**20	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**22	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**25	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**26	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**2G	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**2H	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**31	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**32	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**62	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**72	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4B-**11N	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4B-**15N	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4B-**70N	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4B-**71N	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4F-*02	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4F-*20	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**20R	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**2GR	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**2HR	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**31R	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**32R	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**62R	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Safety Limit Switch	D4N-**72R	Normally Closed contact	-	-	-	-	-	-	2.00E+07	Normally closed contact conforms to IEC60947-5-1 (Direct Opening Mechanism).
Enabling Switch	A4E	Enable output	-	-	-	-	-	-	1.00E+05	The enabling output has a structure that conforms to IEC60947-5-8 (Three-position enabling switch).
Enabling Grip Switch	A4EG	Built-in enabling switch (A4E) Enable Output	-	-	-	-	-	-	1.00E+05	The enabling output has a structure that conforms to IEC60947-5-1 (Direct Opening Mechanism) only when the switch is gripped.
Enabling Grip Switch	A4EG	Built-in E-Stop (A165E) NC contact *only A4EG-BE2R041	-	-	-	-	-	-	1.00E+05	The enabling output has a structure that conforms to IEC60947-5-8 (Three-position enabling switch). Enabling outputs conform to IEC60947-5-1 (Direct Opening Mechanism) only when the switch is gripped.
Key Selector Switch	A22TK-2*L	Normally Closed contact	-	-	-	-	-	-	1.00E+05	Normally closed contact has a structure that conforms to IEC60947-5-1 (Direct opening mechanism) only when the key is turned to right.
Key Selector Switch	A22TK-2*R	Normally Closed contact	-	-	-	-	-	-	1.00E+05	Normally closed contact has a structure that conforms to IEC60947-5-1 (Direct opening mechanism) only when the key is turned to left.

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Products	Model	Condition / Function	SIL	PFHd	PL	Category	MTTFd(Year)	DCavg (%)	B10d	Note
Non-contact Door Switch	D40Z	Safety Output	SIL3	1.50E-10	e	4	-	-	-	A non-contact door switch alone conforms as a subsystem to IEC61508 SIL3. The reliability of the whole system is determined upon it being combined with a connected dedicated controller (G9SX-NS* or G9SP series).
Non-contact Door Switch	D40A	Safety Output	SIL2	2.40E-09	d	3	-	-	-	A non-contact door switch alone conforms as a subsystem to IEC61508 SIL2. The reliability of the whole system is determined upon it being combined with a connected dedicated controller (G9SX-NS* or G9SP series).
Safety Light Curtain	F3SJ-A0245P14 to A0461P14		SIL3	1.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 461mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0533P14 to A0875P14		SIL3	2.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 533 to 875mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0983P14 to A1271P14		SIL3	3.30E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 983 to 1271mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1487P14 to A1631P14		SIL3	4.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1487 to 1631mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1784P14		SIL3	4.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height 1784mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0245N14 to A0461N14		SIL3	2.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 461mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0551N14 to A0911N14		SIL3	2.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 551 to 911mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0983N14 to A1271N14		SIL3	3.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 983 to 1271mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0245P20 to A0755P20		SIL3	1.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 755mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0785P20 to A1505P20		SIL3	2.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 770 to 1505mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1565P20 to A2255P20		SIL3	3.30E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1565 to 2255mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A2405P20 to A2495P20		SIL3	4.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 2405 to 2495mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0245N20 to A0755N20		SIL3	2.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 755mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0785N20 to A1505N20		SIL3	2.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 785 to 1505mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1655N20 to A2255N20		SIL3	3.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1655 to 2255mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A2405N20 to A2495N20		SIL3	4.30E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 2405 to 2495mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0260P25 to A0940P25		SIL3	1.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 260 to 940mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1020P25 to A1900P25		SIL3	2.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1020 to 1900mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A2060P25 to A2500P25		SIL3	3.30E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 2060 to 2500mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0260N25 to A0940N25		SIL3	2.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 260 to 940mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1020N25 to A1900N25		SIL3	2.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1020 to 1900mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A2060N25 to A2500N25		SIL3	3.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 2060 to 2500mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0245P30 to A1195P30		SIL3	1.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 1195mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1270P30 to A2495P30		SIL3	2.50E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1270 to 2495mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0245N30 to A1195N30		SIL3	2.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 245 to 1195mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A1270N30 to A2495N30		SIL3	2.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1270 to 2495mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0270P55 to A2470P55		SIL3	1.70E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 270 to 2470mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-A0270N55 to A2470N55		SIL3	2.00E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 270 to 2470mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-B0185P25 to B1025P25		SIL3	1.20E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 185 to 1025mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-B1105P25 to B2065P25		SIL3	1.80E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1105 to 2065mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-B0185N25 to B1025N25		SIL3	1.20E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 185 to 1025mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-B1105N25 to B2065N25		SIL3	1.90E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1105 to 2065mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-E0185P25 to E1105P25		SIL3	1.20E-08	e	4	-	-	-	The data is applicable for all models. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SJ-E0185N25 to E1105N25		SIL3	1.20E-08	e	4	-	-	-	The data is applicable for all models. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SR-430B0190 to 430B0990		SIL3	1.40E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 190 to 990mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	F3SR-430B1070 to 430B2270		SIL3	2.10E-08	e	4	-	-	-	The data is applicable for the models with a protective height from 1070 to 2270mm. It conforms to IEC 61496-1 TYPE4. As subsystem, it conforms to IEC61508 SIL3 and ISO13849-1 PL.
Safety Light Curtain	MS4800 series		SIL3	5.90E-08	e	4	-	-	-	It conforms to IEC61508 SIL3 and IEC 61496-1 TYPE4

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Safety Mat System	UM / MC3	Integrated system of mats and controller	SIL2	4.80E-08	d	3	-	-	-	When combined with a connected dedicated controller, it conforms to both ISO 13849-1 PLd and EN1760-1.
Safety Edge and Edge Controller	SGE / SCC	Integrated system of edge sensor and controller	-	-	e	3	100	97	-	When combined with a connected dedicated controller, it conforms to both ISO 13849-1 PLe and EN1760-2.
Safety Laser Scanner	OS32C		SIL2	8.30E-08	d	3	-	-	-	As a subsystem, it conforms to IEC61508 SIL2.
Safety Relay Unit	G9SA-301		-	-	e	4	100	99	-	As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SA-300-SC		-	-	e	4	100	99	-	As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SA-501		-	-	e	4	100	99	-	As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SA-321-T	Instantaneous Safety Output	-	-	e	4	82	99	-	As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SA-321-T	Release delayed safety output	-	-	d	3	62	60	-	As a subsystem, it conforms to ISO13849-1 PLd.
Safety Relay Unit	G9SA-TH301		-	-	e	4	86	99	-	It has a structure of a controller, when combined with the Two-Hand Control Device that conforms to EN574 Type III. As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SB series (except G9SB-3010)		-	-	e	4	100	99	-	As a subsystem, it conforms to ISO13849-1 PLe.
Safety Relay Unit	G9SB-3010		-	-	d	3	100	99	-	As a subsystem, it conforms to ISO13849-1 PLd.
Flexible Safety Unit	G9SX-BC		SIL3	4.10E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Flexible Safety Unit	G9SX-AD		SIL3	5.70E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Flexible Safety Unit	G9SX-ADA		SIL3	5.70E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Flexible Safety Unit	G9SX-EX		SIL3	5.80E-11	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Low-speed Monitoring Unit	G9SX-LM	Integrated system of G9SX-LM and E2E proximity sensor	-	-	d	3	50	86	-	As a subsystem integrated with the E2E (E2E-X1R5F1, -X2MF1, -X2F1, -X5MF1, -X5F1, -X10MF1), it conforms to ISO13849-1 PLd.
Low-speed Monitoring Unit	G9SX-LM	Without proximity sensor	SIL3	1.20E-08	d	3	-	-	-	As a subsystem, the G9SX-LM alone conforms to ISO13849-1 PLd. The DC of the proximity sensor to be connected to the rotation detection input is 90%.
Standstill Monitoring Unit	G9SX-SM		SIL3	4.80E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Flexible Safety Unit	G9SX-GS		SIL3	9.00E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Flexible Safety Unit	G9SX-NS	Noncontact switch input (D40A or D40Z)	SIL3	4.20E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3. The PL of the whole system is determined upon it being combined with a non-contact switch (D40Z or D40A).
Flexible Safety Unit	G9SX-NSA	Noncontact switch input (D40A or D40Z)	SIL3	5.50E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3. The PL of the whole system is determined upon it being combined with a non-contact switch (D40Z or D40A).
Safety Network Controller	G9SP-N10S		SIL3	9.40E-11	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	G9SP-N10D		SIL3	1.20E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	G9SP-N20S		SIL3	1.10E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	NE1A-SCPU01-V1		SIL3	5.10E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	NE1A-SCPU02		SIL3	6.50E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	DST1-ID12SL-1		SIL3	2.40E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	DST1-MD16SL-1		SIL3	2.40E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	DST1-XD0808SL-1		SIL3	2.40E-10	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
Safety Network Controller	DST1-MRD08SL-1		SIL3	5.10E-09	e	4	-	-	-	As a subsystem, it conforms to IEC61508 SIL3.
AC Servo Driver G5 Series	R88D-KT/KN	STO function (STO input and EDM output)	SIL2	2.80E-08	d	3	-	-	-	It has a structure that conforms to IEC61800-5-2 STO function. As a subsystem, it conforms to IEC61508 SIL2.
Frequency Inverter MX2 Series	3G3MX2	Stop function in conformity to Stop Category 0	-	-	d	3	100	71	-	It has a structure that conforms to IEC60204-1 Stop Category 0. As a subsystem, it conforms to ISO13849-1 PLd.