Table NI Approved Products (8/9)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
9	Power Distribution Board	AEP7D-1F	Primary Power Supply Bus Unit (100 to 120 V AC input)	-20 to 70°C	
		AEP7D-2F	Primary Power Supply Bus Unit (220 to 240 V AC input)	-20 to 70°C	(*2)
		AEP7D-4F	Primary Power Supply Bus Unit (for 24 V DC input)	-20 to 70°C	
		AEPV7D-11F	Power Supply Bus Unit, Vertical Type (100 to 120 V AC input)	-20 to 70°C	(*8)
		AEPV7D-21F	Power Supply Bus Unit, Vertical Type (220 to 240 V AC input)	-20 to 70°C	(*2) (*8)
		AEPV7D-41F	Power Supply Bus Unit, Vertical Type (for 24 V DC input)	-20 to 70°C	(*8)
	Fan	AIP602	Fan Unit	-20 to 70°C	
10	Optical Bus Repeater	YNT511D-P41/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 4 km Transmission Distance, 100 to 120 V AC Power Supply)	0 to 50°C	
		YNT511D-P42/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 4 km Transmission Distance, 220 to 240 V AC Power Supply)	0 to 50°C	(*9)
		YNT511D-P44/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 4 km Transmission Distance, 24 V DC Power Supply)	0 to 50°C	
		YNT522D-P11/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 15 km Transmission Distance, 100 to 120 V AC Power Supply)	0 to 50°C	
		YNT522D-P12/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 15 km Transmission Distance, 220 to 240 V AC Power Supply)	0 to 50°C	(*9)
		YNT522D-P14/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 15 km Transmission Distance, 24 V DC Power Supply)	0 to 50°C	
		PW501	Power Supply Unit (for YNT5□□, 100 to 120 V AC)	0 to 50°C	
		PW502	Power Supply Unit (for YNT5□□, 220 to 240 V AC)	0 to 50°C	(*9)
		PW504	Power Supply Unit (for YNT5□□, 24 V DC)	0 to 50°C	
		AIP578	Optical Transceiver Unit for V net Repeater (For Max. 4 km Transmission Distance)	0 to 50°C	
		AIP591	Optical Transceiver Unit for V net Repeater (For Max. 15 km Transmission Distance)	0 to 50°C	
		AIP171	Transceiver Control Unit for V net Repeater	0 to 50°C	
		AIP571	Electrical Transceiver Unit for V net Repeater	0 to 50°C	

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*2: The power supply input terminal-N of SPW482 shall be connected to the neutral line (N) of the main power supply.
*8: For style code S1 and unit revision U:1 or later.
*9: Wirings must comply with NEC (National Electrical Code : ANSI/NFPA-70) or the regulations of the relevant country.

Table NI Approved Products (9/9)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
11	Base Plate	S2BN1D-□0130 S2BN1D-□1130 S2BN1D-□1130/L S2BN1D-□1130/T S2BN1D-□2130 S2BN1D-□2130/L S2BN1D-□2130/T	Base Plate with disconnecting terminal	-40 to 70°C	
		S2BN1D-□9130		-40 to 70°C	(*10)
		S2BN5D-121□0	Base Plate for Barrier	-20 to 60°C	
12	N-IO field enclosure	S2NN70D- □□Q□□B□1□□□□□□□□ S2NN70D- □□Q□□D□1□□□□□□□□	N-IO field enclosure	-40 to 55 °C	
		S2NN60D- □□Q□□1□□□□	N-IO field enclosure base unit	-40 to 55 °C	(*11)
		S2CB60- B□1□□□□□□□□ S2CB60- D□1□□□□□□□□	Enclosure for S2NN60D	-40 to 55 °C	
		A2CX100	Sealing module set for N-IO field enclosure	-40 to 55 °C	(*12)

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*10: The temperature range of the cable (AKB331 and AKB651) used with S2BN1D is -20 to 70°C.
*11: This temperature applies to the ambient temperature of S2CB60 with S2NN60D installed inside.
*12: A2CX100 used in the N-IO field enclosure comply with FM NI.

Appendix 1.2 Canada (FM) NI Compliant Products

■ ProSafe-RS Canada (FM) NI Compliant Products

Table Canada (FM) NI Approved Products (1/5)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
1	Safety Node Units	SNB10D-□1E SNB10D-□1E/CU2N SNB10D-□1E/CU2T	Node Unit for Dual-Redundant ESB Bus 100 to 120 V AC power supply	-20 to 70°C	
		SNB10D-□4E SNB10D-□4E/CU2N SNB10D-□4E/CU2T	Node Unit for Dual-Redundant ESB Bus 24 V DC power supply	-20 to 70°C	
2	Unit for Optical Bus Repeater Module	SNT10D-21E	Unit for Optical ESB Bus Repeater Module 100 to 120 V AC power supply	-20 to 70°C	
		SNT10D-24E	Unit for Optical ESB Bus Repeater Module 24 V DC power supply	-20 to 70°C	
3	Power supply Module	SPW481-E3	100 to 120 V AC Input Power supply module	-20 to 70°C	
		SPW484-E3	24 V DC Input Power supply module	-20 to 70°C	
		S2PW503-S0130	24 V DC Output Power Supply Unit (100 to 240 V AC input power supply)	-40 to 70°C	
		S2PW504-S0130	24 V DC Output Power Supply Unit (24 V DC input power supply)	-40 to 70°C	
4	Bus Interface Module	SSB401-E3	ESB Bus Interface Slave Module	-20 to 70°C	
	Optical ESB Bus Repeater Module	SNT401-EF SNT401-EF/CU1N SNT401-EF/CU1T	Optical ESB Bus Repeater Master Module	-20 to 70°C	
		SNT411-EF SNT411-EF/CU1N SNT411-EF/CU1T	Optical ESB Bus Repeater Master Module 5 to 50 km	-20 to 70°C	
		SNT421-E3 SNT421-E3/CU1N SNT421-E3/CU1T	Optical ESB Bus Repeater Master Module (for Multimode Fiber)	-20 to 70°C	
		SNT501-EF	Optical ESB Bus Repeater Slave Module	-20 to 70°C	
		SNT511-EF	Optical ESB Bus Repeater Slave Module 5 to 50 km	-20 to 70°C	
		SNT521-E3	Optical ESB Bus Repeater Slave Module (for Multimode Fiber)	-20 to 70°C	
	Node Interface Unit	S2NN30D-430□0□□13	Node Interface Unit (100 to 240 V AC input power supply)	-40 to 70°C	(*2)
		S2NN30D-440□0□□13	Node Interface Unit (24 V DC input power supply)	-40 to 70°C	(*2)

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

*2: When the S2NN30D Node Interface Unit is used with an optical ESB bus with the following specifications at an altitude of 2000 m or higher, the ambient temperature range is -40 to 60°C.

S2NN30D-□□□□□01□□ S2NN30D-□□□□□02□□ S2NN30D-□□□□□10□□
S2NN30D-□□□□□11□□ S2NN30D-□□□□□12□□ S2NN30D-□□□□□20□□
S2NN30D-□□□□□21□□ S2NN30D-□□□□□22□□

Table Canada (FM) NI Approved Products (2/5)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
4	N-ESB Bus Module	S2EN501-S□□130	N-ESB Bus Module	-40 to 70°C	(*3)
5	Input/Output Modules	SAI143-SE3 SAI143-SE3/K4A00 SAI143-SE3/A4S00 SAI143-SE3/A4S10 SAI143-SE3/A4D00 SAI143-SE3/A4D10 SAI143-SE3/CCC01	Analog Input Module (4 to 20 mA, 16 channels, module isolation)	-20 to 70°C	
		SAI143-SF3 SAI143-SF3/PRP			
		SAI143-HE3 SAI143-HE3/A4S00 SAI143-HE3/A4S10 SAI143-HE3/A4D00 SAI143-HE3/A4D10 SAI143-HE3/CCC01 SAI143-HEC SAI143-HEC/A4S00 SAI143-HEC/A4S10 SAI143-HEC/A4D00 SAI143-HEC/A4D10 SAI143-HEC/CCC01	Analog Input Module (4 to 20 mA, 16 channels, module isolation) with HART communication	-20 to 70°C	
		SAI143-HF3 SAI143-HF3/PRP SAI143-HFC SAI143-HFC/PRP			
		SAV144-SE3 SAV144-SE3/K4A00 SAV144-SE3/A4S00 SAV144-SE3/A4S10 SAV144-SE3/A4D00 SAV144-SE3/A4D10 SAV144-SE3/CCC01	Analog Input Module (1 to 5 V/1 to 10 V, 16 channels, module isolation)	-20 to 70°C	
		SAV144-SF3 SAV144-SF3/PRP			
		SAT145-SF3 SAT145-SF3/PRP	TC/mV Input Module (16 channels, Isolated Channels)	-20 to 70°C	
		SAR145-SF3 SAR145-SF3/PRP	RTD Input Module (16 channels, Isolated Channels)	-20 to 70°C	
		SAI533-HE3 SAI533-HE3/A4S00 SAI533-HE3/A4S10 SAI533-HE3/A4D00 SAI533-HE3/A4D10 SAI533-HE3/CCC01	Analog Output Module (4 to 20 mA, 8 channels, module isolation)	-20 to 70°C	
		SAI533-HF3 SAI533-HF3/PRP			
		SDV144-SE3 SDV144-SE3/B4S00 SDV144-SE3/B4S10 SDV144-SE3/B4D00 SDV144-SE3/B4D10 SDV144-SE3/CCC01 SDV144-SE3/CCC02	Digital Input Module (16 channels, module isolation)	-20 to 70°C	

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

*3: When the S2EN501 N-ESB Bus Module is used with an optical ESB bus with the following specifications at an altitude of 2000 m or higher, the ambient temperature range is -40 to 60°C.

S2EN501-□01□□□ S2EN501-□02□□□ S2EN501-□10□□□ S2EN501-□11□□□
S2EN501-□12□□□ S2EN501-□20□□□ S2EN501-□21□□□ S2EN501-□22□□□

Table Canada (FM) NI Approved Products (3/5)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
5	Input/Output Modules	SDV144-SEC SDV144-SEC/B4S00 SDV144-SEC/B4S10 SDV144-SEC/B4D00 SDV144-SEC/B4D10 SDV144-SEC/CCC01 SDV144-SEC/CCC02	Digital Input Module (16 channels, module isolation)	-20 to 70°C	
		SDV144-SF3 SDV144-SF3/PRP SDV144-SFC SDV144-SFC/PRP	Digital Input Module (16 channels, module isolation)	-20 to 70°C	
		SDV521-SF3 SDV521-SF3/PRP SDV521-SFC SDV521-SFC/PRP	Digital Output Module (4 channels, module isolation)	-20 to 70°C	
		SDV531-SE3 SDV531-SE3/D4A00 SDV531-SE3/B4S00 SDV531-SE3/B4S10 SDV531-SE3/B4D00 SDV531-SE3/B4D10 SDV531-SE3/CCC01 SDV531-SE3/CCC02	Digital Output Module (8 channels, module isolation)	-20 to 70°C	
		SDV531-SF3 SDV531-SF3/PRP			
		SDV531-LE3 SDV531-LE3/B4S00 SDV531-LE3/B4S10 SDV531-LE3/B4D00 SDV531-LE3/B4D10 SDV531-LE3/CCC01 SDV531-LE3/CCC02 SDV531-LEC SDV531-LEC/B4S00 SDV531-LEC/B4S10 SDV531-LEC/B4D00 SDV531-LEC/B4D10 SDV531-LEC/CCC01 SDV531-LEC/CCC02	Digital Output Module (8 channels, module isolation, long distance type)	-20 to 70°C	
		SDV531-LF3 SDV531-LF3/PRP SDV531-LFC SDV531-LFC/PRP			
		SDV53A-SF3 SDV53A-SF3/PRP	Digital Output Module (8 channels, module isolation)	-20 to 70°C	
		SDV541-SE3 SDV541-SE3/B4S00 SDV541-SE3/B4S10 SDV541-SE3/B4D00 SDV541-SE3/B4D10 SDV541-SE3/CCC01 SDV541-SE3/CCC02	Digital Output Module (16 channels, module isolation)	-20 to 70°C	
		SDV541-SEC SDV541-SEC/B4S00 SDV541-SEC/B4S10 SDV541-SEC/B4D00 SDV541-SEC/B4D10 SDV541-SEC/CCC01 SDV541-SEC/CCC02	Digital Output Module (16 channels, module isolation)	-20 to 70°C	

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

Table Canada (FM) NI Approved Products (4/5)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
5	Input/Output Modules	SDV541-SF3 SDV541-SF3/PRP SDV541-SFC SDV541-SFC/PRP	Digital Output Module (16 channels, module isolation)	-20 to 70°C	
		S2MMM843-SS1130	Analog Digital I/O Module	-40 to 70°C	
		S2MDV843-0S1130	Digital I/O Module	-40 to 70°C	
	Communication Modules	S2LP131-S11	Fire and gas communication module	-20 to 70°C	(*4)
6	Terminal Board	SEA4D-0F SEA4D-1F SEA4D-0F/NTRY SEA4D-1F/NTRY	Analog Terminal Board (Single and Dual-Redundant, 16 channels×2)	-20 to 70°C	
		SED2D-0F SED2D-1F SED2D-0F/NTRY SED2D-1F/NTRY	Digital Terminal Board (Single and Dual-Redundant, 4 channels×4)	-20 to 70°C	
		SED3D-AF SED3D-AF/NTRY	Digital Terminal Board (Single and Dual-Redundant, 8 channels×4)	-20 to 70°C	
		SED4D-0F SED4D-1F SED4D-0F/NTRY SED4D-1F/NTRY	Digital Terminal Board (Single and Dual-Redundant, 16 channels×2)	-20 to 70°C	
		SBT4D-0F	Terminal board for TC/mV: DIN rail mount type (Single and Dual-redundant, 16 channels×1)	-20 to 70°C	
		SBR4D-0F	Terminal board for RTD input: DIN rail mount type (Single and Dual-redundant, 16 channels×1)	-20 to 70°C	
		SBA4D-0F	Terminal board for Analog: DIN rail mount type (Single and Dual-redundant, 16 channels×1)	-20 to 70°C	
		S1BB4D-0F	Terminal Board for Analog, 3-wire: DIN rail mount type	-20 to 70°C	
		SBD2D-0F	Terminal board for Digital output: DIN rail mount type (Single and Dual-redundant, 4 channels×1, for SDV521)	-20 to 70°C	
		SBD3D-0F SBD3D-AF	Terminal board for Digital output: DIN rail mount type (Single and Dual-redundant, 8 channels×1, for SDV53☐)	-20 to 70°C	
		SBD4D-0F	Terminal board for Digital: DIN rail mount type (Single and Dual-redundant, 16 channels×1, for SDV144/SDV541)	-20 to 70°C	
		A2BM4-130	Terminal board for analog digital I/O	-40 to 70°C	(*5)

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*4: S2LP131 is available from ProSafe-RS R4.05.00 or later with S2SC70☐.
*5: The temperature range of the cable (AKB331 and AKB651) used with A2BM4 is -20 to 70°C.

Table Canada (FM) NI Approved Products (5/5)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
7	Power Distribution Board	AEP7D-1F	Primary Power Supply Bus Unit (100 to 120 V AC input)	-20 to 70°C	
		AEP7D-4F	Primary Power Supply Bus Unit (for 24 V DC input)	-20 to 70°C	
		AEPV7D-11F	Power Supply Bus Unit, Vertical Type (100 to 120 V AC input)	-20 to 70°C	
		AEPV7D-41F	Power Supply Bus Unit, Vertical Type (for 24 V DC input)	-20 to 70°C	
8	Base Plate	S2BN1D-□0130 S2BN1D-□1130 S2BN1D-□1130/L S2BN1D-□1130/T S2BN1D-□2130 S2BN1D-□2130/L S2BN1D-□2130/T	Base Plate with disconnecting terminal	-40 to 70°C	
		S2BN1D-□9130		-40 to 70°C	(*6)
		S2BN5D-121□0	Base Plate for Barrier	-20 to 60°C	
9	N-IO field enclosure	S2NN70D-□□Q□□B□1□□□□□□□□ S2NN70D-□□Q□□D□1□□□□□□□□	N-IO field enclosure	-40 to 55 °C	
		S2NN60D-□□Q□□1□□□□	N-IO field enclosure base unit	-40 to 55 °C	(*7)
		S2CB60-B□1□□□□□□□□ S2CB60-D□1□□□□□□□□	Enclosure for S2NN60D	-40 to 55 °C	
		A2CX100	Sealing module set for N-IO field enclosure	-40 to 55 °C	(*8)

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*6: The temperature range of the cable (AKB331 and AKB651) used with S2BN1D is -20 to 70°C.
*7: This temperature applies to the ambient temperature of S2CB60 with S2NN60D installed inside.
*8: A2CX100 used in the N-IO field enclosure comply with CSA NI.

Appendix 2. List of Type “n”, “ec” Compliant Products

Note: Regarding the latest conformity standard, refer to the GS 32P01B60-01EN “ProSafe-RS Standards Compliant Models”.

Appendix 2.1 ATEX Type “n”, “ec” Compliant Products

Table The List of ATEX Type “n”, “ec” Compliant Products (1/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
1	Safety Control Units (*2)	SSC10S-S2E41 SSC10S-S2E41/GPS/ATDOC	Safety Control Units 24 V DC power supply	-20 to 50°C	
		SSC10S-F2E41 SSC10S-F2E41/GPS/ATDOC	Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC10D-S2E41 SSC10D-S2E41/GPS/ATDOC	Duplexed Safety Control Units 24 V DC power supply	-20 to 50°C	
		SSC10D-F2E41 SSC10D-F2E41/GPS/ATDOC	Duplexed Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
2	Safety Control Units for Vnet/IP	SSC50S-S2E4☐ SSC50S-S2E4☐/ATDOC	Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC50S-F2E4☐ SSC50S-F2E4☐/ATDOC	Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC50D-S2E4☐ SSC50D-S2E4☐/ATDOC	Duplexed Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC50D-F2E4☐ SSC50D-F2E4☐/ATDOC	Duplexed Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC57S-S2E4☐ SSC57S-S2E4☐/ATDOC	Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC57S-F2E4☐ SSC57S-F2E4☐/ATDOC	Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC57D-S2E4☐ SSC57D-S2E4☐/ATDOC	Duplexed Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC57D-F2E4☐ SSC57D-F2E4☐/ATDOC	Duplexed Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC60S-S2E4☐ SSC60S-S2E4☐/ATDOC	Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC60S-F2E4☐ SSC60S-F2E4☐/ATDOC	Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		SSC60D-S2E4☐ SSC60D-S2E4☐/ATDOC	Duplexed Safety Control Units 24 V DC power supply	-20 to 40°C	
		SSC60D-F2E4☐ SSC60D-F2E4☐/ATDOC	Duplexed Safety Control Units (With fan, 24 V DC power supply)	-20 to 70°C	
		S2SC70S-S☐☐41☐☐ S2SC70S-S☐☐41☐☐/ATDOC	Safety Control Unit 24 V DC power supply	-20 to 40°C	
		S2SC70S-F☐☐41☐☐ S2SC70S-F☐☐41☐☐/ATDOC	Safety Control Unit (With fan, 24 V DC power supply)	-20 to 70°C	
		S2SC70D-S☐☐41☐☐ S2SC70D-S☐☐41☐☐/ATDOC	Duplexed Safety Control Unit 24 V DC power supply	-20 to 40°C	
		S2SC70D-F☐☐41☐☐ S2SC70D-F☐☐41☐☐/ATDOC	Duplexed Safety Control Unit (With fan, 24 V DC power supply)	-20 to 70°C	

Note: Only N-IO field enclosure complies with ATEX Increased safety “ec”.
*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*2: /GPS and/or /ATDOC can be selected.

Table The List of ATEX Type “n”, “ec” Compliant Products (2/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
3	Safety Node Units (*3)	SNB10D-□4E SNB10D-□4E/CU2N/ATDOC SNB10D-□4E/CU2T/ATDOC	Node Unit for Dual-Redundant ESB Bus 24 V DC power supply	-20 to 70°C	
4	Unit for Optical Bus Repeater Module	SNT10D-24E SNT10D-24E/ATDOC	Unit for Optical ESB Bus Repeater Module 24 V DC power supply	-20 to 70°C	
5	CPU Module	SCP401-E1	Processor Module for SSC10□	-20 to 70°C	
		SCP451-E□	Processor Module for SSC50□ and SSC57□	-20 to 70°C	
		SCP461-E1	Processor Module for SSC60□ and S2SC70□	-20 to 70°C	
		S2CP471-1□	Processor Module for SSC60□ and S2SC70□	-20 to 70°C	
	Power supply Module	SPW484-E3	24 V DC Power supply module	-20 to 70°C	
		S2PW504-S0130	24 V DC Output Power Supply Unit (24 V DC input power supply)	-40 to 70°C	
6	Coupler Unit	AIP504-E3	V net Coupler Unit	-20 to 70°C	
	Bus Coupler Module	SEC401-E1	ESB Bus Coupler Module	-20 to 70°C	
		SEC402-E1	ESB Bus Coupler Module (for 2-port)	-20 to 70°C	
	Bus Interface Module	SSB401-E3	ESB Bus Interface Slave Module	-20 to 70°C	
	Optical ESB Bus Repeater Module	SNT401-E□ SNT401-E□/CU1N SNT401-E□/CU1T	Optical ESB Bus Repeater Master Module	-20 to 70°C	
		SNT411-E□ SNT411-E□/CU1N SNT411-E□/CU1T	Optical ESB Bus Repeater Master Module 5 to 50 km	-20 to 70°C	
		SNT421-E3 SNT421-E3/CU1N SNT421-E3/CU1T	Optical ESB Bus Repeater Master Module (for Multimode Fiber)	-20 to 70°C	
		SNT501-E□	Optical ESB Bus Repeater Slave Module	-20 to 70°C	
		SNT511-E□	Optical ESB Bus Repeater Slave Module 5 to 50 km	-20 to 70°C	
		SNT521-E3	Optical ESB Bus Repeater Slave Module (for Multimode Fiber)	-20 to 70°C	
	N-ESB Bus Coupler Module	S2EN402-S0011	N-ESB Bus Coupler Module	-20 to 70°C	
		S2EN404-S0011	N-ESB Bus Coupler Module	-20 to 70°C	
	Node Interface Unit	S2NN30D-440□0□□13 S2NN30D-440□0□□13/ATDOC	Node Interface Unit (24 V DC input power supply)	-40 to 70°C	(*4)

Note: Only N-IO field enclosure complies with ATEX Increased safety “ec”.

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

*3: /CU2N and/or /ATDOC can be selected.
/CU2T and/or /ATDOC can be selected.

*4: When the S2NN30D Node Interface Unit is used with an optical ESB bus with the following specifications at an altitude of 2000 m or higher, the ambient temperature range is -40 to 60°C.

S2NN30D-□□□□□01□□ S2NN30D-□□□□□02□□ S2NN30D-□□□□□10□□
S2NN30D-□□□□□11□□ S2NN30D-□□□□□12□□ S2NN30D-□□□□□20□□
S2NN30D-□□□□□21□□ S2NN30D-□□□□□22□□

Table The List of ATEX Type “n”, “ec” Compliant Products (3/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
6	N-ESB Bus Module	S2EN501-S□□130	N-ESB Bus Module	-40 to 70°C	(*5)
7	Input/Output Modules	SAI143-SE3 SAI143-SE3/A4S00 SAI143-SE3/A4S10 SAI143-SE3/A4D00 SAI143-SE3/A4D10 SAI143-SE3/CCC01	Analog Input Module (4 to 20 mA, 16 channels, module isolation)	-20 to 70°C	
		SAI143-SF3 SAI143-SF3/PRP			
		SAI143-HE3 SAI143-HE3/A4S00 SAI143-HE3/A4S10 SAI143-HE3/A4D00 SAI143-HE3/A4D10 SAI143-HE3/CCC01 SAI143-HEC SAI143-HEC/A4S00 SAI143-HEC/A4S10 SAI143-HEC/A4D00 SAI143-HEC/A4D10 SAI143-HEC/CCC01	Analog Input Module (4 to 20 mA, 16 channels, module isolation) With HART communication	-20 to 70°C	
		SAI143-HF3 SAI143-HF3/PRP SAI143-HFC SAI143-HFC/PRP			
		SAV144-SE3 SAV144-SE3/A4S00 SAV144-SE3/A4S10 SAV144-SE3/A4D00 SAV144-SE3/A4D10 SAV144-SE3/CCC01	Analog Input Module (1 to 5 V/1 to 10V, 16 channels, module isolation)	-20 to 70°C	
		SAV144-SF3 SAV144-SF3/PRP		-20 to 70°C	
		SAT145-SF3 SAT145-SF3/PRP	TC/mV Input Module (16 channels, Isolated Channels)	-20 to 70°C	
		SAR145-SF3 SAR145-SF3/PRP	RTD Input Module (16 channels, Isolated Channels)	-20 to 70°C	
		SAI533-HE3 SAI533-HE3/A4S00 SAI533-HE3/A4S10 SAI533-HE3/A4D00 SAI533-HE3/A4D10 SAI533-HE3/CCC01	Analog Output Module (4 to 20 mA, 8 channels, module isolation)	-20 to 70°C	
		SAI533-HF3 SAI533-HF3/PRP			
		SDV144-SE3 SDV144-SE3/B4S00 SDV144-SE3/B4S10 SDV144-SE3/B4D00 SDV144-SE3/B4D10 SDV144-SE3/CCC01 SDV144-SE3/CCC02	Digital Input Module (16 channels, module isolation)	-20 to 70°C	

Note: Only N-IO field enclosure complies with ATEX Increased safety “ec”.

*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

*5: When the S2EN501 N-ESB Bus Module is used with an optical ESB bus with the following specifications at an altitude of 2000 m or higher, the ambient temperature range is -40 to 60°C.

S2EN501-□01□□□ S2EN501-□02□□□ S2EN501-□10□□□ S2EN501-□11□□□
S2EN501-□12□□□ S2EN501-□20□□□ S2EN501-□21□□□ S2EN501-□22□□□

Table The List of ATEX Type “n”, “ec” Compliant Products (4/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
7	Input/Output Modules	SDV144-SEC SDV144-SEC/B4S00 SDV144-SEC/B4S10 SDV144-SEC/B4D00 SDV144-SEC/B4D10 SDV144-SEC/CCC01 SDV144-SEC/CCC02	Digital Input Module (16 channels, module isolation)	-20 to 70°C	
		SDV144-SF3 SDV144-SF3/PRP SDV144-SFC SDV144-SFC/PRP			
		SDV521-SF3 SDV521-SF3/PRP SDV521-SFC SDV521-SFC/PRP	Digital Output Module (4 channels, module isolation)	-20 to 70°C	
		SDV531-SE3 SDV531-SE3/B4S00 SDV531-SE3/B4S10 SDV531-SE3/B4D00 SDV531-SE3/B4D10 SDV531-SE3/CCC01 SDV531-SE3/CCC02	Digital Output Module (8 channels, module isolation)	-20 to 70°C	
		SDV531-SF3 SDV531-SF3/PRP			
		SDV531-LE3 SDV531-LE3/B4S00 SDV531-LE3/B4S10 SDV531-LE3/B4D00 SDV531-LE3/B4D10 SDV531-LE3/CCC01 SDV531-LE3/CCC02 SDV531-LEC SDV531-LEC/B4S00 SDV531-LEC/B4S10 SDV531-LEC/B4D00 SDV531-LEC/B4D10 SDV531-LEC/CCC01 SDV531-LEC/CCC02	Digital Output Module (8 channels, module isolation, long distance type)	-20 to 70°C	
		SDV531-LF3 SDV531-LF3/PRP SDV531-LFC SDV531-LFC/PRP	Digital Output Module (8 channels, module isolation, long distance type)	-20 to 70°C	
		SDV53A-SF3 SDV53A-SF3/PRP	Digital Output Module (8 channels, module isolation)	-20 to 70°C	
		SDV541-SE3 SDV541-SE3/B4S00 SDV541-SE3/B4S10 SDV541-SE3/B4D00 SDV541-SE3/B4D10 SDV541-SE3/CCC01 SDV541-SE3/CCC02 SDV541-SEC SDV541-SEC/B4S00 SDV541-SEC/B4S10 SDV541-SEC/B4D00 SDV541-SEC/B4D10 SDV541-SEC/CCC01 SDV541-SEC/CCC02	Digital Output Module (16 channels, module isolation)	-20 to 70°C	
				-20 to 70°C	

Note: Only N-IO field enclosure complies with ATEX Increased safety “ec”.
*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.

Table The List of ATEX Type “n”, “ec” Compliant Products (5/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
7	Input/Output Modules	SDV541-SF3 SDV541-SF3/PRP SDV541-SFC SDV541-SFC/PRP	Digital Output Module (16 channels, module isolation)	-20 to 70°C	
		S2MMM843-SS1130	Analog Digital I/O Module	-40 to 70°C	
		S2MDV843-0S1130	Digital I/O Module	-40 to 70°C	
	Communication Modules	ALR111-SE1	Serial Communication Module (RS-232C, 2-port)	0 to 60°C	
	Communication Modules	ALR121-SE1	Serial Communication Module (RS-422/RS-485, 2-port)	0 to 60°C	
		ALR121-SEB	Serial Communication Module (RS-422/RS-485, 2-port)	0 to 70°C	
		ALR121-SE3	Serial Communication Module (RS-422/RS-485, 2-port)	-20 to 70°C	
		ALE111-SE1	Ethernet Communication Module	0 to 60°C	(*6)
		ALE111-SE3	Ethernet Communication Module	-20 to 70°C	(*6)
		S2LP131-S11	Fire and gas communication module	-20 to 70°C	(*7)
8	Terminal Board	SEA4D-0F SEA4D-1F SEA4D-0F/NTRY SEA4D-1F/NTRY	Analog Terminal Board (Single and Dual-Redundant, 16 channels×2)	-20 to 70°C	
		SED2D-0F SED2D-1F SED2D-0F/NTRY SED2D-1F/NTRY	Digital Terminal Board (Single and Dual-Redundant, 4 channels×4)	-20 to 70°C	
		SED3D-AF SED3D-AF/NTRY	Digital terminal board (Single and Dual-Redundant, 8 channels×4)	-20 to 70°C	
		SED4D-0F SED4D-1F SED4D-0F/NTRY SED4D-1F/NTRY	Digital terminal board (Single and Dual-Redundant, 16 channels×2)	-20 to 70°C	
		SBT4D-0F	Terminal board for TC/mV: DIN rail mount type (Single and Dual-redundant,16 channels×1)	-20 to 70°C	
		SBR4D-0F	Terminal board for RTD input: DIN rail mount type (Single and Dual-redundant, 16 channels×1)	-20 to 70°C	
		SBA4D-0F	Terminal board for Analog: DIN rail mount type (Single and Dual-redundant, 16 channels×1)	-20 to 70°C	
		S1BB4D-0F	Terminal Board for Analog, 3-wire: DIN rail mount type	-20 to 70°C	
		SBD2D-0F	Terminal board for Digital output: DIN rail mount type (Single and Dual-redundant, 4 channels×1, for SDV521)	-20 to 70°C	
		SBD3D-0F SBD3D-AF	Terminal board for Digital output: DIN rail mount type (Single and Dual-redundant, 8 channels×1, for SDV53□)	-20 to 70°C	

Note: Only N-IO field enclosure complies with ATEX Increased safety “ec”.
*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*6: ALE111 supported in R3.02.00 or later can be mounted on S2SC70□, SSC60□, SSC50□ or SSC57□.
*7: S2LP131 is available from ProSafe-RS R4.05.00 or later with S2SC70□.

Table The List of ATEX Type "n", "ec" Compliant Products (6/7)

Numbers	Classifications	Type Names	Products	Temperature Range (*1)	Remarks
8	Terminal Board	SBD4D-0F	Terminal board for Digital: DIN rail mount type (Single and Dual-redundant, 16 channels×1, for SDV144/SDV541)	-20 to 70°C	
		A2BM4-130	Terminal board for analog digital I/O	-40 to 70°C	(*8)
	Power Distribution Board	AEP7D-4F	Primary power supply bus unit (for 24 V DC input)	-20 to 70°C	
		AEPV7D-41F	Power Supply Bus Unit, Vertical Type (for 24 V DC input)	-20 to 70°C	(*9)
	Fan	AIP602	Fan Unit	-20 to 70°C	
9	Optical Bus Repeater	YNT511D-P44/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 4 km Transmission Distance, 24 V DC Power Supply)	0 to 50°C	
		YNT522D-P14/NL	Optical Bus Repeater for Dual-Redundant Bus (10BASE-2 Cable) (Up to 15 km Transmission Distance, 24 V DC Power Supply)	0 to 50°C	
		PW504	Power Supply Unit (for YNT5□□, 24 V DC)	0 to 50°C	
		AIP578	Optical Transceiver Unit for V net Repeater (For Max. 4 km Transmission Distance)	0 to 50°C	
		AIP591	Optical Transceiver Unit for V net Repeater (For Max. 15 km Transmission Distance)	0 to 50°C	
		AIP171	Transceiver Control Unit for V net Repeater	0 to 50°C	
		AIP571	Electrical Transceiver Unit for V net Repeater	0 to 50°C	
10	Base Plate	S2BN1D-□0130 S2BN1D-□1130 S2BN1D-□1130/L S2BN1D-□1130/T S2BN1D-□2130 S2BN1D-□2130/L S2BN1D-□2130/T	Base Plate with disconnecting terminal	-40 to 70°C	
		S2BN1D-□9130		-40 to 70°C	(10)
		S2BN4D-101□0	Base Plate for Barrier	-20 to 60°C	
		S2BN5D-121□0	Base Plate for Barrier	-20 to 60°C	(*11)

Note: Only N-IO field enclosure complies with ATEX Increased safety "ec".
*1: The ambient temperature around not the cabinet but each unit such as Safety Control Unit, Safety Node Unit, Unit for Optical ESB Bus Repeater Module or Terminal Board is shown.
*8: The temperature range of the cable (AKB331 and AKB651) used with A2BM4 is -20 to 70°C.
*9: For style code S1 and unit revision U:1 or later.
*10: The temperature range of the cable (AKB331 and AKB651) used with S2BN1D is -20 to 70°C.
*11: S2BN5D style S1 cannot be installed in the hazardous area.