Module overview of ET 200SP

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1.1 Module firmware corrected for R1 redundancy

A firmware update is required for some electronic modules to obtain the full compatibility for the ET 200SP R1 system. If an older firmware version of the module is used than the one specified below, a process data surge can occur during a redundancy switchover of the interface modules.

NOTE

All electronic modules not listed here do not require a firmware update to obtain full compatibility for the ET 200SP R1 system.

The following table shows which modules support a bumpless R1 switchover as of which firmware version:

Module	Article number	As of firmware version
F-CM AS-i Safety ST**	3RK7136-6SC00-0BC1	-
CM AS-i Master ST	3RK7137-6SA00-0BC1	V1.1.11
F-TM ServoDrive 1x24..48V ST	6BK1136-6AB00-0BU0	V1.3.0 or higher
F-TM ServoDrive 1x24..48V HF	6BK1136-6AB00-0CU0	V1.1.0 or higher
F-TM StepDrive 1x24..48V ST	6BK1136-6SB00-0BU0	V1.0.1 or higher
DI 8x24VDC BA*	6ES7131-6BF00-0AA0	-
DI 8x24VDC ST*	6ES7131-6BF00-0BA0	-
DI 8x24VDC SRC BA*	6ES7131-6BF60-0AA0	-
DI 16x24VDC ST*	6ES7131-6BH00-0BA0	-
DI 4x120..230VAC ST*	6ES7131-6FD00-0BB1	-
DI 8xNAMUR HF	6ES7131-6TF00-0CA0	V2.0 or higher
DQ 8x24VDC/0,5A BA*	6ES7132-6BF00-0AA0	-
DQ 8x24VDC/0,5A ST*	6ES7132-6BF00-0BA0	-
DQ 8x24VDC/0,5A SNK BA*	6ES7132-6BF60-0AA0	-
DQ 16x24VDC/0,5A ST*	6ES7132-6BH00-0BA0	-
RQ 4x24VUC/2A CO ST*	6ES7132-6GD50-0BA0	-
RQ 4x24VUC...230VUC/5A*	6ES7132-6HD00-0BB1	-
AI 4xI 2-/4-wire ST*	6ES7134-6GD00-0BA1	-
AI 2xU/I 2-/4-wire HF	6ES7134-6HB00-0CA1	V2.0.5
AI 2xU/I 2-/4-wire HS	6ES7134-6HB00-0DA1	V2.0.3

* No firmware update is offered for these modules since there are compatible successor products

** No firmware update with the error correction is currently offered for these modules

I/O module		Article number	Firmware version	STEP 7 (TIA Portal)	STEP 7 V5.5 SP3
Digital output modules	DQ 4x24VDC/2A HS	6ES7132-6BD20-0DA0	V1.0.2	Integrated as of V14	HSP0230 V5.0
	DQ 4x24...230VAC/2A ST	6ES7132-6FD00-0BB1	V1.0	as of V13	HSP0230 V3.0
	DQ 4x24...230VAC/2A HF	6ES7132-6FD00-0CU0	V1.0.0	as of V14 with HSP0240	HSP 0230 as of V8.0
	RQ 4x120VDC-230VAC/-5A NO ST	6ES7132-6HD00-0BB1	V1.0.0	HSP0128	HSP0232 V5.0
	RQ 4x120VDC-230VAC/-5A NO MA ST	6ES7132-6MD00-0BB1	V1.0.0	HSP0162 V13 SP1 or higher	HSP0232 V6.0
Analog input modules	AI 8xU BA	6ES7134-6FF00-0AA1	V1.0.0	HSP0126	HSP0227 V5.0
	AI 2xU ST	6ES7134-6FB00-0BA1	V1.0.0	HSP0160 V13 SP1 or higher	HSP0227 V6.0
	AI 8xI 2-/4-wire BA	6ES7134-6GF000AA1	V1.0.0	HSP0126	HSP0227 V5.0
	AI 4xI 2-/4-wire ST	6ES7134-6GD00-0BA1	V1.1.0	V13 Update 3	HSP0227 V4.0
	AI 2xI 2-/4-wire ST	6ES7134-6GB00-0BA1	V1.0.0	HSP0160 V13 SP1 or higher	HSP0227 V6.0
	AI 4xU/I 2-wire ST	6ES7134-6HD00-0BA1	V1.1.0	V13 Update 3	HSP0227 V4.0
	AI 2xU/I 2-/4-wire HF	6ES7134-6HB00-0CA1	V2.0.0	HSP0161 V13 SP1 or higher	HSP0227 V6.0 V5.5 SP4 HF7 or higher
	AI 2xU/I 2-/4-wire HS	6ES7134-6HB00-0DA1	V2.0.1	Integrated as of V14	HSP0227 V5.0
	AI Energy Meter 400VAC ST	6ES7134-6PA01-0BD0	V3.0.0	V13 SP1 Update 4 HSP0159	HSP0227 V6.0
	AI Energy Meter 480VAC ST	6ES7134-6PA20-0BD0	V4.0.0	V13 SP1 Update 4 HSP0159	HSP0227 V6.0 V5.5 SP4 HF7 or higher
	AI Energy Meter 480VAC/CT HF	6ES7134-6PA00-0CU0	V6.0.0	V15 or higher with HSP0253	V5.5 SP3 or higher
	AI Energy Meter 480VAC/RC HF	6ES7134-6PA20-0CU0	V6.0.0	V15 or higher with HSP0253	V5.5 SP3 or higher
Analog output modules	AQ 2xU ST	6ES7135-6FB00-0BA1	V1.0.0	HSP0160 V13 SP1 or higher	HSP0228 V6.0
	AQ 2xI ST	6ES7135-6GB00-0BA1	V1.0.0	HSP0160 V13 SP1 or higher	HSP0228 V6.0
	AQ 4xU/I ST	6ES7135-6HD00-0BA1	V1.1.0	V13 Update 3	HSP0228 V4.0
	AQ 2xU/I HS	6ES7135-6HB00-0DA1	V2.0.1	Integrated as of V14	HSP0228 V5.0