

**Annex 1 to Certificate of Conformity IECEx DEK 13.0011X, issue 10 / Testreport
NL/DEK/ExTR13.0013/10**

Table 1

Description	Type/MLFB No.	Temp. code	Ambient Range	Technical Data	Supply Volt.
Base Unit	6ES7 193-6BP00-a	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Base Unit	6ES7 193-6BP20-aaAa	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Base Unit	6ES7 193-6BP40-a	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface Module IM 155-6 PN ST	6ES7 155-6AU00-a	T4	0...+60°C	supply 24 Vdc, 340mA at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
BA 2x RJ 45 Busadapter	6ES7 193-6AR00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
Servermodule	6ES7 193-6PA00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
8DI, 24Vdc ST	6ES7 131-6BF00-aBaa	T4	0...+60°C	supply - 24 Vdc, 750 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
16DI, 24Vdc ST	6ES7 131-6BH00-a	T4	0...+60°C	supply - 24 Vdc, 90 mA Inputs - 24 Vdc, 16 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DQ, 24Vdc/0,5A ST	6ES7 132-6BF00-aBaa	T4	0...+60°C	supply - 24 Vdc, 4 A Outputs - 24 Vdc, 8 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
16DQ, 24Vdc/0,5A ST	6ES7 132-6BH00-a	T4	0...+60°C	supply - 24 Vdc, 8 A Outputs - 24 Vdc, 8 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 40°C to 60°C: 8 A to 4 A horizontally mounted at 30°C to 50°C: 8 A to 4 A vertically mounted	24Vdc
4DQ, 24Vdc/2A ST	6ES7 132-6BD20-aBaa	T4	0...+60°C	supply - 24 Vdc, 8 A Outputs - 24 Vdc, 4 channels 2 A p.d. / 2 A res. / 10 W tung. at 40°C to 60°C: 8 A to 4 A horizontally mounted at 30°C to 50°C: 8 A to 4 A vertically mounted	24Vdc
4AI, I 2-/4-wire ST	6ES7 134-6GD00-a	T4	0...+60°C	supply - 24 Vdc, 117 mA 4 Input channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
4AI, U / I 2-wire ST	6ES7 134-6HD00-a	T4	0...+60°C	supply - 24 Vdc, 117 mA 4 Input channels At 50°C vertically mounted At 60°C horizontally mounted	24Vdc
4AI, RTD/TC 2-/3-/4-wire HF	6ES7 134-6JD00-a	T4	0...+60°C	supply - 24 Vdc, 35 mA 4 Input channels At 50°C vertically mounted At 60°C horizontally mounted	24Vdc
4AQ, 4 x U / I ST	6ES7 135-6HD00-a	T4	0...+60°C	supply - 24 Vdc, 150 mA 4 Output channels at 30°C to 60°C: 4 to 1 channel horizontally mounted at 20°C to 50°C: 4 to 1 channel vertically mounted	24Vdc
CM PtP	6ES7 137-6AA00-a	T4	0...+60°C	supply - 24 Vdc, 29 mA at 30°C to 60°C: 4 to 1 channel horizontally mounted at 20°C to 50°C: 4 to 1 channel vertically mounted	24Vdc

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Base Unit	6ES7 193-6BP20-aaB0	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Base Unit	6ES7 193-6BP20-aaCa	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
BA 2x FC Busadapter	6ES7 193-6AF00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
8DI, 24Vdc HF	6ES7 131-6BF00-aCaa	T4	0...+60°C	supply - 24 Vdc, 760 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DQ, 24Vdc/0,5A HF	6ES7 132-6BF00-aCaa	T4	0...+60°C	supply - 24 Vdc, 4 A Outputs - 24 Vdc, 8 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
IO-Link Master	6ES7 137-6BD00-a	T4	0...+60°C	supply - 24 Vdc Input current - 1,25 A 4 channels (IO-Link or DI or DO) Output channels - 0.1 A per channel at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8 F-DI, 24Vdc HF	6ES7 136-6BA00-a	T4	0...+60°C	supply - 24 Vdc, 900 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
4F-DQ, 24Vdc/2A PM HF	6ES7 136-6DB00-a	T4	0...+60°C	supply - 24 Vdc, 6.1 A Outputs - 24 Vdc, 4 channels 2 A p.d. / 2 A res. / 10 W tung. at 50°C: 4 A total load vertically mounted at 60°C: 4 A total load horizontally mounted at 50°C: 5 A total load horizontally mounted at 40°C: 6 A total load horizontally mounted	24Vdc
F-PM-E, 24Vdc / 10A PPM	6ES7 136-6PA00-a	T4	0...+60°C	supply - 24 Vdc, 8.7 A Inputs - 24 Vdc, 2 channels Outputs - 24 Vdc, 1 channel 8 A p.d. / 8 A res. at 50°C: 4 A total load vertically mounted at 60°C: 4 A total load horizontally mounted at 50°C: 6 A total load horizontally mounted at 40°C: 8 A total load horizontally mounted	24Vdc
IM 151-9F PN CPU	6ES7 151-9FB00-a	T4	0...+60°C	supply - 24 Vdc, 670 mA at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
AI 2xU/I 2-4wire HS	6ES7 134-6HB00-aDaa	T4	0...+60°C	supply - 24 Vdc, 39 mA 2 Input channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
AQ 2xU/I HS	6ES7 135-6HB00-aDaa	T4	0...+60°C	supply - 24 Vdc, 90 mA 2U/I-Output channels At 0°C to 50°C: 2 I-channels horizontally mounted At 50°C to 60°C: 1 I-channel horizontally mounted At 0°C to 40°C: 2 I-channels vertically mounted At 40°C to 50°C: 1 I-channel vertically mounted At 0°C to 55°C: 2 U-channels horizontally mounted At 55°C to 60°C: 1 U-channel horizontally mounted At 0°C to 45°C: 2 U-channels vertically mounted At 45°C to 50°C: 1 U-channel vertically mounted	24Vdc
Interface module IM 155-6 PN HF	6ES7 155-6AU00-aCaa	T4	0...+60°C	supply - 24 Vdc, 700 mA at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Interface module IM 155-6 DP HF	6ES7 155-6BU00-a	T4	0...+60°C	supply - 24 Vdc, 250 mA at 50°C vertically mounted at 60°C horizontally mounted	24Vdc

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Technology Module TM Count 1x24V	6ES7 138-6AA00-a	T4	0...+60°C	supply - 24 Vdc, 1.4 A Inputs - 24 Vdc, 3 channels Outputs - 24 Vdc, 2 channel 0.5 A p.d. / 0.5 A resistive / 5W tungsten At 50°C: 1 A total load vertically mounted At 60°C: 0.5 A total load horizontally mounted At 55°C: 1 A total load horizontally mounted	24Vdc
8DI, 24Vdc SRC BA	6ES7 131-6BF60-a	T4	0...+60°C	supply - 24 Vdc, 68 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DQ, 24Vdc/0,5A SINK BA	6ES7 132-6BF60-a	T4	0...+60°C	supply - 24 Vdc, 4 A Outputs - 24 Vdc, 8 channels 0.5 A p.d. / 0.5 A res. / 5 W tung. at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DI NAMUR HF	6ES7 131-6TF00-a	T4	0...+60°C	supply - 24 Vdc, 70 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
4DQ, 24Vdc/2A HF	6ES7 132-6BD20-aCaa	T4	0...+60°C	supply - 24 Vdc, 8 A Outputs - 24 Vdc, 4 channels 2 A p.d. / 2 A res. / 10 W tung. at 40°C to 60°C: 8 A to 4 A horizontally mounted at 30°C to 50°C: 8 A to 4 A vertically mounted	24Vdc
AI 2xU/I 2-4wire HF	6ES7 134-6HB00-aCaa	T4	0...+60°C	supply - 24 Vdc, 240 mA 2 Input channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8AI, RTD/TC 2-wire HF	6ES7 134-6JF00-a	T4	0...+60°C	supply - 24 Vdc, 35 mA 8 Input channels At 50°C vertically mounted At 60°C horizontally mounted	24Vdc
AQ 2xU/I HF	6ES7 135-6HB00-aCaa	T4	0...+60°C	supply - 24 Vdc, 90 mA 2U/I-Output channels at 0°C to 45°C: 2 I-channels horizontally mounted at 45°C to 50°C: 1 I-channel horizontally mounted at 0°C to 40°C: 2 I-channels vertically mounted at 40°C to 50°C: 1 I-channel vertically mounted at 0°C to 50°C: 2 U-channels horizontally mounted at 50°C to 60°C: 1 U-channel horizontally mounted at 0°C to 55°C: 2 U-channels vertically mounted at 55°C to 60°C: 1 U-channel vertically mounted	24Vdc
Technology Module TM PosInput1	6ES7 138-6BA00-a	T4	0...+60°C	supply - 24 Vdc, 1.4 A Inputs - 24 Vdc, 2 channels Outputs - 24 Vdc, 2 channels 0.5 A p.d. / 0.5 A resistive / 5W tungsten at 50°C: 1 A total load vertically mounted at 60°C: 0.5 A total load horizontally mounted at 55°C: 1 A total load horizontally mounted	24Vdc
BA 2x SRC Busadapter	6ES7 193-6AP00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
Base Unit	6ES7 193-6BP20-aaB1	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Base Unit	6ES7 193-6BP20-aaFa	T4	0...+60°C	supply 24 Vdc, 10 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
BA Send (2xFC)	6ES7 193-6AS00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
BU Send (Base Unit)	6ES7 193-6BN00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1510	6ES7 510-1DJ00-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1510F	6ES7 510-1SJ00-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1512	6ES7 512-1DK00-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1512F	6ES7 512-1SK00-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CM - DP	6ES7 545-5DA00-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	24Vdc

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Technology Module TM Timer DI/DQ 10x24V	6ES7 138-6GC00-a	T4	0...+60°C	supply - 24 Vdc, 3.5 A Inputs - 24 Vdc, 4 channels Outputs - 24 Vdc, 6 channels 0.5 A p.d. / 0.5 A resistive / 5W tungsten Total load 3 A at 35°C to 50°C: 3.5 A to 1.2 A total load vertically mounted at 45°C to 60°C: 3.5 A to 1.2 A total load horizontally mounted	24Vdc
CPU 1515SP PC 2GB (Embedded controller)	6ES7 677-2AA30-a	T4	0...+60°C	supply - 24 Vdc, 1.5 A At 0°C to 55°C: max. 64 modules, 2x 0,5A and 0,1A USB-load, horizontally mounted At 0°C to 60°C: max. 32 modules, 0,3A USB-load, horizontally mounted At 0°C to 50°C: max. 32 modules, 0,3A USB-load, vertically mounted	24Vdc
CPU 1515 SP PC 4GB (Embedded controller)	6ES7 677-2AA40-a	T4	0...+60°C	supply - 24 Vdc, 1.5 A At 0°C to 55°C: max. 64 modules, 2x 0,5A and 0,1A USB-load, horizontally mounted At 0°C to 60°C: max. 32 modules, 0,3A USB-load, horizontally mounted At 0°C to 50°C: max. 32 modules, 0,3A USB-load, vertically mounted	24Vdc
Interface Module IM 155-6 PN BA	6ES7 155-6AR00-a	T4	0...+60°C	supply 24 Vdc, 300mA at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DI, 24Vdc BA	6ES7 131-6BF00-aAaa	T4	0...+60°C	supply - 24 Vdc, 770 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8DI, 24Vdc HS	6ES7 131-6BF00-aDaa	T4	0...+60°C	supply - 24 Vdc, 770 mA Inputs - 24 Vdc, 8 channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
4DQ, 24Vdc/2A HS	6ES7 132-6BD20-aDaa	T4	0...+60°C	supply - 24 Vdc, 8 A Outputs - 24 Vdc, 4 channels 2 A p.d. / 2 A res. / 10 W tung. At 25°C to 50°C: 8 A to 4 A total load vertically mounted At 35°C to 60°C: 8 A to 2.5 A total load horizontally mounted	24Vdc
8AI, I 2-/4- wire BA	6ES7 134-6GF00-a	T4	0...+60°C	supply - 24 Vdc, 725 mA 8 Input channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
8AI, U BA	6ES7 134-6FF00-a	T4	0...+60°C	supply - 24 Vdc, 25 mA 8 Input channels at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
BA SCRJ / RJ45 Busadapter	6ES7 193-6AP20-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
BA SCRJ / FC Busadapter	6ES7 193-6AP40-a	T4	0...+60°C	at 50°C vertically mounted at 60°C horizontally mounted	-
CPU 1510	6ES7 510-1DJ01-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1510F	6ES7 510-1SJ01-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1512	6ES7 512-1DK01-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
CPU 1512F	6ES7 512-1SK01-a	T4	0...+60°C	supply 24 Vdc, 0.6 A at 50°C vertically mounted at 60°C horizontally mounted	24Vdc
Technology Module TM 2x24V Pulse	6ES7 138-6DB00-a	T4	0...+60°C	supply - 24 Vdc, 4.3 A Inputs - 24 Vdc, 2 channels Outputs - 24 Vdc, 2 channels 2.0 A p.d. / 2.0 A resistive / 10 W tungsten Total load 3 A at 35°C to 50°C: 4.3 A to 2.7 A total load vertically mounted at 45°C to 60°C: 4.3 A to 2.7 A total load horizontally mounted	24Vdc

The Suffix –a denotes any letter or number referring to non-electrical properties as product associates, language, delivery packing, documentation etc.