



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 19 651 - 11 HH

Company Bernecker + Rainer
Industrie-Elektronik GmbH
B&R Straße 1
5142 Eggelsberg, Austria

Product Description PLC system components

Type X 20 series

Environmental Category D, EMC1

Technical Data / Range of Application Basic Modules:
X20BB80, Rev E0, X20 Bus Controller Base
X20BB22, Rev C0, X20 Compact CPU Base, RS232
X20BB82, Rev D0, X20 Bus Controller Base, Ext. Bus Controller
X20BM01, Rev F0, X20 Bus Module with Power Bus Separation
X20BM11, Rev G0, X20 Bus Modul with Power Bus Pass
X20BM33, Rev C0, X20 Bus Safety 25mm, Power Bus Pass
X20TBxx, X20 Field Terminal
Interface Cards and Bus Controller:
X20IF1020, Rev G0, X20 Interface RS232
X20IF1030, Rev H0, X20 Interface RS422/RS485
X20IF1072, Rev D0, X20 Interface CAN
X20IF1082-2, Rev B0, X20 Interface POWERLINK V1/V2, PRC
X20BC0083, Rev F0, X20 Bus Controller POWERLINK V1/V2
X20BC8083, Rev F0, X20 Bus Contr. POWERLINK V1/V2, HUB Ext.
X20HB2880, Rev E0, X20 Hub Module 2x 100 BASE-T

Test Standard Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003
Regulations for the Use of Computer and Computer Systems, Edition 1994

Documents Test report (mikes) : S34471-00-03AV, S34471-00-04AV, S34471-00-05AV, S34471-00-02AV, S4982-00-00JK, E34466-00-01HP, E34467-00-01HP, E34468-00-01HP, E34469-00-01HP.
"Prüfbeschreibung GL Prüfung X20 System", Rev.1.8, 03.05.2011

Remarks Components to be mounted inside metallic enclosure.
*1: Environmental category "B". To be cooled inside cabinet.

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PLC and Safety PLC:

X20CP1483-1, Rev D0, X20 CPU x86 100MHz, PLK V1/V2, 1x IF
X20CP1483, Rev D0, X20 CPU x86 100MHz, PLK V1/V2, 1x IF
X20CP3485-1, Rev H0, X20 CPU Celeron 400, PLK V1/V2, 3x IF
X20CP3485, Rev J0, X20 CPU Celeron 400, PLK V1/V2, 3x IF
X20CP1485-1, Rev G0, X20 CPU Celeron 400, PLK V1/V2, 1x IF
X20CP1485, Rev J0, X20 CPU Celeron 400, PLK V1/V2, 1x IF
X20CP3484-1, Rev F0, X20 CPU Celeron 266 c., PLK V1/V2, 3x IF
X20CP3484, Rev J0, X20 CPU Celeron 266 c., PLK V1/V2, 3x IF
X20CP1484-1, Rev F0, X20 CPU Celeron 266 c., PLK V1/V2, 1x IF
X20CP1484, Rev I0, X20 CPU Celeron 266 c., PLK V1/V2, 1x IF
X20CP3486, Rev K0, X20 CPU Celeron 650, PLK V1/V2, 3x IF
X20CP1486, Rev K0, X20 CPU Celeron 650, PLK V1/V2, 1x IF
X20CP0292, Rev F0, X20 CPU Compact, µP25, ETH 100 Base-T
X20SL8010, Rev E0, X20 SafeLOGIC, POWERLINK V2, SafeMC *1
X20SL8011, Rev E0, X20 SafeLOGIC, POWERLINK V2, SafeMC plus *1
X20SL8001, Rev E0, X20 SafeLOGIC, POWERLINK V2, plus, 24V *1
X20SL8000, Rev E0, X20 SafeLOGIC, POWERLINK V2, 24V *1
X20MKxxxx, Rev C0, X20 Memory Key

Power Supply Modules:

X20PS2100, Rev F0, X20 Power Supply, 24V
X20PS3300, Rev E0, X20 Power Supply, 24V, Bus supply
X20PS9400, Rev D0, X20 BC Power Supply, 24V, Bus supply
X20PS9500, Rev C0, X20 CPU Power Supply, 24V, Bus supply
0AC524.9, Rev C0, 24VAC / 24VDC - Power Supply Unit

Function Modules:

X20AI4632, Rev G0, X20 Analog 4xE, +/-10V/0..20 mA, 16 Bit
X20AI2632, Rev G0, X20 Analog 2xE, +/-10V/0..20 mA, 16 Bit
X20AO4622, Rev I0, X20 Analog 4xA, +/-10V/0..20 mA, 12 Bit
X20AO2622, Rev I0, X20 Analog 2xA, +/-10V/0..20 mA, 12 Bit

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Function Modules (/continuous)

X20AT4222, Rev M0, X20 Analog 4xE, RTD, 3 Wire
X20AT2222, Rev K0, X20 Analog 2xE, RTD, 3 Wire
X20AT6402, Rev H0, X20 Analog 6xE, Thermocouple
X20AT2402, Rev H0, X20 Analog 2xE, Thermocouple
X20CS1020, Rev F0, X20 I/O Interface RS232
X20CS1030, Rev F0, X20 I/O Interface RS422/RS485
X20CS1070, Rev E0, X20 I/O Interface CAN
X20CM8281, Rev F0, 920 Combi Modul 1AE, 1AA, 4DE, 2DA
X20DC1176, Rev C0, X20 Counter, 1x ABR, 5 V, 250 kHz, Mon.
X20DC1376, Rev C0, X20 Counter, 1x ABR, 24 V, 100 kHz, Mon.
X20DI4371, Rev F0, X20 Digital 4xE, 24V, Sink, 3 Leiter
X20DI2371, Rev F0, X20 Digital 2xE, 24V, Sink, 3 Leiter
X20DI4760, Rev F0, X20 Digital 4xE, Namur
X20DI6371, Rev F0, X20 Digital 6xE, 24V, Sink, 2 Wire
X20DI8371, Rev C0, X20 Digital 8xE, 24V, Sink, 1 Wire
X20DI9371, Rev G0, X20 Digital 12xE, 24V, Sink, 1 Wire
X20DO4529, Rev D0, X20 Digital 4xA, Relais CO 115VAC 0.5A
X20DO6322, Rev G0, X20 Digital 6xA, 24V 0.5A, Source, 2 L.
X20DO6529, Rev D0, X20 Digital 6xA, Relais NO115VAC 0.5A
X20DO8332, Rev G0, X20 Digital 8xA, 24V 2A, Source, 1 L.
X20DO9322, Rev I0, X20 Digital 12xA, 24V 0.5A, Source, 1 L.
X20DS1119, Rev F0, X20 Digital Signal 5V ABR/PR Emulation
X20DS1319, Rev E0, X20 Digital Signal 24V ABR/PR Emulation
X20SI4100, Rev F0, X20 Safe Digital 4xE, 24V, 2xE KAT4 *1
X20SI2100, Rev F0 X20 Safe Digital 2xE, 24V, 1xE KAT4 *1
X20SO4120, Rev F0, X20 Safe Digital 4xA, 24V, 2A *1
X20SO2110, Rev F0, X20 Safe Digital 2xA, 24V, 0.5A *1
X20SO2120, Rev F0, X20 Safe Digital 2xA, 24V, 2A *1
X20SO4110, Rev F0, X20 Safe Digital 4xA, 24V, 0.5A *1
X20ZF0000 D0 X20 Blind Module (without function)

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