

Ex / I.S. data for 5114B, all types:

Terminal 31, 32, and 33
Um..... 250 V

5114B1
Terminal 41, 42, 44 to 43 and 51, 52, 54 to 53
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

5114B2
Terminal 44 to 41 and 54 to 51
Uo..... 28 VDC
Io..... 87 mADC
Po..... 0.62 W
Lo..... 4.2 mH
Co..... 0.08 µF

Terminal 42, 43 to 41 and 52, 53 to 51
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

5114B3
Terminal 41, 42, 44 to 43 and 52, 53 to 51
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

Terminal 54 to 51
Uo..... 28 VDC
Io..... 87 mADC
Po..... 0.62 W
Lo..... 4.2 mH
Co..... 0.08 µF

Ex / I.S. data for 5115B, all types:

Terminal 31, 32, and 33
Um..... 250 V

5115B1
Terminal 41, 42, 44 to 43 and 51, 52, 54 to 53
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

5115B2
Terminal 44 to 41 and 54 to 51
Uo..... 28 VDC
Io..... 87 mADC
Po..... 0.62 W
Lo..... 4.2 mH
Co..... 0.08 µF

Terminal 42, 43 to 41 and 52, 53 to 51
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

5115B3
Terminal 41, 42, 44 to 43 and 52, 53 to 51
Uo..... 7.5 VDC
Io..... 6.0 mADC
Po..... 11.25 mW
Lo..... 200 mH
Co..... 6.0 µF

Terminal 54 to 51
Uo..... 28 VDC
Io..... 87 mADC
Po..... 0.62 W
Lo..... 4.2 mH
Co..... 0.08 µF

Ex / I.S. data for 5116B

Um..... 253 V
Um, Loop Link..... 60 V
Temperature / bipolar mV input
Terminal 41, 42, 44 and 43
Uo..... 7.5 VDC
Io..... 2.2 mA
Po..... 4.2 mW
Co..... 6 µF
Lo..... 1.0 H

Unipolar mA / V input:
Terminal 51, 52 and 53
Uo..... 7.5 VDC
Io..... 2.2 mA
Po..... 4.2 mW
Co..... 6 µF
Lo..... 1.0 H

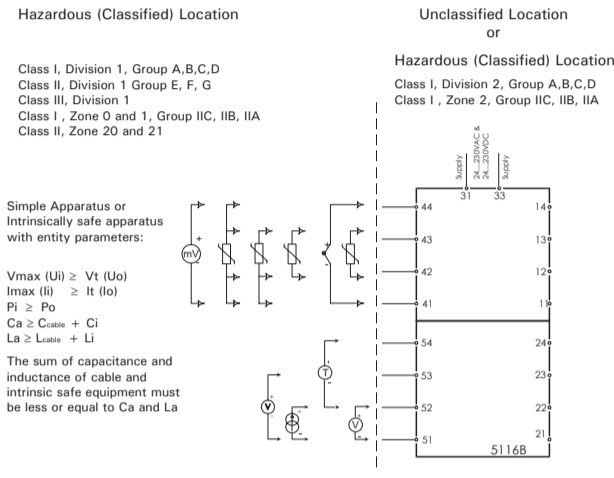
2-wire supply / reference voltage
Terminal 51, 52, 53 and 54
Uo..... 28 V
Io..... 93 mA
Po..... 650 mW

Ex / I.S. data for 5131B:

Um..... 250 V
Uo..... 8.0 VDC
Io..... 10 mADC
Po..... 20 mW
Lo..... 200 mH
Co..... 1.0 µF

	IIC	IIB/IIC	IIA
Co:	75 nF	645 nF	2 µF
Lo:	3 mH	16 mH	31 mH

FM CONTROL DRAWING NO. 5116QF01



Terminal	Voc (V)	Isc (mA)	Po (mW)	La (mH)			Ca (µF)		
				A,B	C,E	D,F,G	A,B	C,E	D,F,G
41,42,43,44	7.5	2.2	4.2	1000	1000	1000	6	36	445
51,52,53	7.5	2.2	4.2	1000	1000	1000	6	36	445
51,52,53,54	28	93.0	650	3	16	31	0.075	0.645	2

Installation notes:

- The maximum non hazardous location voltage is 250Vac/dc.
- The installation shall be in accordance with the National Electrical Code NFPA 70, Articles 504 and 505.
- 5116B is galvanic isolated and does not require grounding
- For Installation in Div 2 or Zone 2 the 5116B must be installed in an enclosure according to ANSI/ISA S82.
- Install in Pollution degree 2 or better
- Use 60 / 75 °C Copper Conductors with Wire Size AWG: (26 – 14).
- Warning: Substitution of components may impair intrinsic safety.

Rev. AA 2005-07-20

EU DECLARATION OF CONFORMITY



(5114DoC_102)

As manufacturer **PR electronics A/S, Lerbakken 10, DK-8410 Rønde** hereby declares that the following products:
Type: 5114
Name: Programmable transmitter
From serial no.: 161966001

is in conformity with the following directives and standards:
EN 61326-1 : 2013

The EMC Directive 2014/30/EU and later amendments
 Immunity test requirements for equipment intended to be used in an industrial electromagnetic environment. For specification of the acceptable EMC performance level, refer to the electrical specifications for the device.

The Low Voltage Directive 2014/35/EU and later amendments
EN 61010-1 : 2010

The ATEX Directive 2014/34/EU and later amendments
EN 50014 : 1997 E incl. A1+A2, EN 50020 : 2002 E and EN 50281-1-1 : 1998 incl. A1
ATEX certificate: DEMKO 99ATEX124571 (5114B)

No changes are required to enable compliance with the replacement standards:
EN 60079-0 : 2012 + A11 : 2013 and EN 60079-11 : 2012

ATEX notified body (type approval)
UL International Demko A/S
Borupvang 5
DK-2750 Ballerup

The RoHS2 Directive 2011/65/EU and later amendments
EN 50581 : 2012

Notified body 0344
DEKRA Certification B.V.
Meander 1051, 6825 MJ Arnhem
P.O. Box 5185, 6802 ED Arnhem
The Netherlands

Rønde, 16 March 2018

Stig Lindemann
 Stig Lindemann, CTO
 Manufacturer's signature

EU DECLARATION OF CONFORMITY



(5115DoC_102)

As manufacturer **PR electronics A/S, Lerbakken 10, DK-8410 Rønde** hereby declares that the following products:
Type: 5115
Name: Signal calculator
From serial no.: 161966001

is in conformity with the following directives and standards:
EN 61326-1 : 2013

The EMC Directive 2014/30/EU and later amendments
 Immunity test requirements for equipment intended to be used in an industrial electromagnetic environment. For specification of the acceptable EMC performance level, refer to the electrical specifications for the device.

The Low Voltage Directive 2014/35/EU and later amendments
EN 61010-1 : 2010

The ATEX Directive 2014/34/EU and later amendments
EN 50014 : 1997 E incl. A1+A2, EN 50020 : 2002 E and EN 50281-1-1 : 1998 incl. A1
ATEX certificate: DEMKO 00ATEX129567 (5115B)

No changes are required to enable compliance with the replacement standards:
EN 60079-0 : 2012 + A11 : 2013 and EN 60079-11 : 2012

ATEX notified body (type approval)
UL International Demko A/S
Borupvang 5
DK-2750 Ballerup

The RoHS2 Directive 2011/65/EU and later amendments
EN 50581 : 2012

Notified body 0344
DEKRA Certification B.V.
Meander 1051, 6825 MJ Arnhem
P.O. Box 5185, 6802 ED Arnhem
The Netherlands

Rønde, 16 March 2018

Stig Lindemann
 Stig Lindemann, CTO
 Manufacturer's signature

EU DECLARATION OF CONFORMITY



(5116DoC_103)

As manufacturer **PR electronics A/S, Lerbakken 10, DK-8410 Rønde** hereby declares that the following products:
Type: 5116
Name: Programmable transmitter
From serial no.: 181570001

is in conformity with the following directives and standards:
EN 61326-1 : 2013

The EMC Directive 2014/30/EU and later amendments
 Immunity test requirements for equipment intended to be used in an industrial electromagnetic environment. For specification of the acceptable EMC performance level, refer to the electrical specifications for the device.

The Low Voltage Directive 2014/35/EU and later amendments
EN 61010-1 : 2010

The ATEX Directive 2014/34/EU and later amendments
EN 60079-0 : 2012 + A11 : 2013 and EN 60079-11 : 2012
ATEX certificate: KEMA 04ATEX1316 X (5116B)

ATEX notified body (type approval)
DEKRA Certification B.V.
Meander 1051, 6825 MJ Arnhem
P.O. Box 5185, 6802 ED Arnhem
The Netherlands

The RoHS2 Directive 2011/65/EU and later amendments
EN 50581 : 2012

Notified body 0344
DEKRA Certification B.V.
Meander 1051, 6825 MJ Arnhem
P.O. Box 5185, 6802 ED Arnhem
The Netherlands

Rønde, 13 June 2018

Stig Lindemann
 Stig Lindemann, CTO
 Manufacturer's signature

EU DECLARATION OF CONFORMITY



(5131DoC_102)

As manufacturer **PR electronics A/S, Lerbakken 10, DK-8410 Rønde** hereby declares that the following products:
Type: 5131
Name: 2-wire programmable transmitter
From serial no.: 161966001

is in conformity with the following directives and standards:
EN 61326-1 : 2013

The EMC Directive 2014/30/EU and later amendments
 Immunity test requirements for equipment intended to be used in an industrial electromagnetic environment. For specification of the acceptable EMC performance level, refer to the electrical specifications for the device.

The Low Voltage Directive 2014/35/EU and later amendments
EN 61010-1 : 2010

The ATEX Directive and later amendments
EN 50014 : 1997 E incl. A1+A2, EN 50020 : 2002 E and EN 50281-1-1 : 1998 incl. A1
ATEX certificate: DEMKO 99ATEX124572 (5131B)

No changes are required to enable compliance with the replacement standards:
EN 60079-0 : 2012 + A11 : 2013 and EN 60079-11 : 2012

ATEX notified body (type approval)
UL International Demko A/S
Borupvang 5
DK-2750 Ballerup

The RoHS2 Directive 2011/65/EU and later amendments
EN 50581 : 2012

Notified body 0344
DEKRA Certification B.V.
Meander 1051, 6825 MJ Arnhem
P.O. Box 5185, 6802 ED Arnhem
The Netherlands

Rønde, 16 March 2018

Stig Lindemann
 Stig Lindemann, CTO
 Manufacturer's signature