

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

Terminal 31, 32, and 33	250 V
Um	250 V
5114B1	
Terminal 41, 42, 44 to 43 and 51, 52, 54 to 53	7.5 VDC
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	28 VDC
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	7.5 VDC
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	7.5 VDC
Uo	7.5 VDC
Io	6.0 mADC
Po	11.25 mW
Lo	200 mH
Co	6.0 µF
Terminal 54 to 51	28 VDC
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	250 V
Um	250 V
5115B1	
Terminal 41, 42, 44 to 43 and 51, 52, 54 to 53	7.5 VDC
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	28 VDC
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	7.5 VDC
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	7.5 VDC
Uo	7.5 VDC
Io	6.0 mADC
Po	11.25 mW
Lo	200 mH
Co	6.0 µF
Terminal 54 to 51	28 VDC
Uo	28 VDC
Io	87 mADC
Po	0.62 W
Lo	4.2 mH
Co	0.08 µF

Ex / I.S. data for 5116B

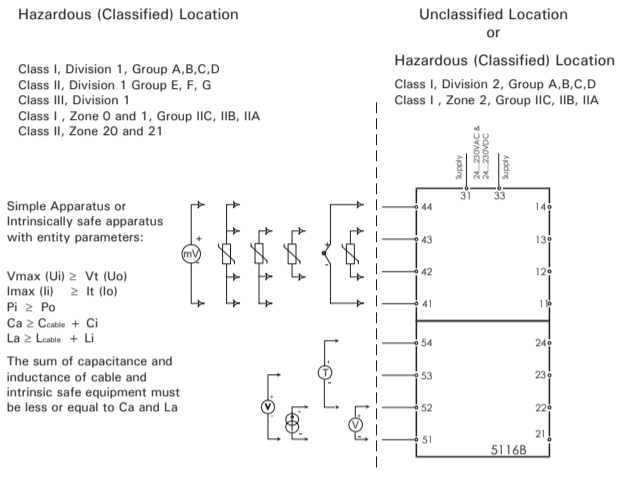
Um	253 V
Um, Loop Link	60 V
Temperature / bipolar mV input	
Terminal 41, 42, 44 and 43	7.5 V
Uo	7.5 VDC
Io	2.2 mA
Po	4.2 mW
Co	6 µF
Lo	1.0 H
Unipolar mA / V input:	
Terminal 51, 52 and 53	7.5 V
Uo	7.5 V
Io	2.2 mA
Po	4.2 mW
Co	6 µF
Lo	1.0 H
2-wire supply / reference voltage	
Terminal 51, 52, 53 and 54	28 V
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	IIA
Co:	75 nF	645 nF	2 µF
Lo:	3 mH	16 mH	31 mH

FM CONTROL DRAWING NO. 5116QF01



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:

The EMC Directive 2014/30/EU and later amendments
EN 61326-1 : 2013
 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:

The EMC Directive 2014/30/EU and later amendments
EN 61326-1 : 2013
 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_102)

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.: 161966001

is in conformity with the following directives and standards:

The EMC Directive 2014/30/EU and later amendments
EN 61326-1 : 2013
 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 + A1, A2, EN 50020 : 2002, EN 50284 : 1999,
EN 61241-0 : 2004 + prAA and draft IEC 61241-11 : 2004
ATEX certificate: KEMA 04ATEX1316 X (5116B)

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)
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, 16 March 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:

The EMC Directive 2014/30/EU and later amendments
EN 61326-1 : 2013
 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