

CERTIFICATE

Issued to:
Applicant:
Pepperl+Fuchs GmbH
Lilienthalstraße 200
68307 Mannheim, Germany

Product : Surge protective devices
Trade name : PEPPERL + FUCHS
Types/models : M-LB-2.30.T3.D
M-LB-2.150.T3.D
M-LB-2.255.T3.D

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61643-11:2012; IEC 61643-11:2011;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 961720

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

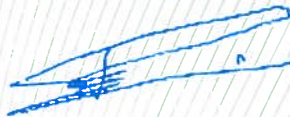
This certificate is issued on: 28 January 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2172593.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.S. Strikwerda
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

Product	: Surge protective devices
Trade name	: PEPPERL + FUCHS
Types	: M-LB-2.30.T3.D M-LB-2.150.T3.D M-LB-2.255.T3.D
SPD type/class	: 3/III
Maximum continuous operating voltage (U_c)	: See additional information
Open-circuit voltage (U_{oc})	: See additional information
Total discharge current (I_{Total})	: See additional information
Voltage protection level (U_p)	: See additional information
Short-circuit current rating (I_{scrr})	: 6 kA with NH 25 A gL/gG 1 kA with MCB C 25 A
Rated load current I_L	: 25 A
Maximum overcurrent protection	: NH 25 A gL/gG or MCB C 25 A

Additional information

Type	Plugin module	U_c	U_{oc}	I_{tot}	U_p L>N	U_p L/N>PE
		(V)	(kV)	(kA)	(kV)	(kV)
M-LB-2.30.T3.D	M-LB-2.30.T3.M	30	2	2	0,18	0,63
M-LB-2.150.T3.D	M-LB-2.150.T3.M	150	4	4	0,64	0,8
M-LB-2.255.T3.D	M-LB-2.255.T3.M	255	6	5	1,25	1,5

The surge protective devices are provided with remote contacts.

Ratings:

Rated voltage (U_n)	: 250 Vac	250 Vdc	125 Vdc	75 Vdc
Rated current (I_n)	: 0,5 A	0,1 A	0,2A	0,5A
Connection	: max 1,5 mm ² flexible or rigid			

TESTS**Test requirements**

EN 61643-11:2012

IEC 61643-11:2011

Test result

The test results are laid down in DEKRA test file 2172593.02.

Remarks

This certificate is also based on certificate 2168399.01.

Conclusion

The examination proved that all test requirements were met.

Tested by : C.C. Burger

A blue ink signature of C.C. Burger, consisting of a stylized 'C' and 'B' followed by a horizontal line.

Checked by : M.T.H. van Gemen

A blue ink signature of M.T.H. van Gemen, featuring a stylized 'M' and 'G' followed by a horizontal line.**Factory locations**

As laid down in DEKRA file 2172593.02.