

# CERTIFICATE

Issued to:  
Applicant:  
**DEHN+ SÖHNE GmbH + Co. KG.**  
Elektrotechnische Fabrik  
Hans-Dehn-Straße 1  
92318 Neumarkt, Germany

Manufacturer/Licensee:  
**DEHN+ SÖHNE GmbH + Co. KG.**  
Elektrotechnische Fabrik  
Hans-Dehn-Straße 1  
92318 Neumarkt, Germany

Product : surge protective device  
Trade name : DEHN  
Type/model : DEHNrail M  
DR M 4P 255 (FM)

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.

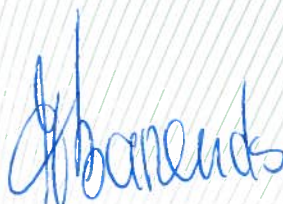
This certificate is issued on: 1 February 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2168399.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



H.R.M. Barends  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	:	surge protective device
Trade name	:	DEHN
Type	:	DR M 4P 255 (FM)
SPD type/class	:	3/III
Maximum continuous operating voltage ( $U_c$ )	:	255 V
Open-circuit voltage ( $U_{oc}$ )	:	6 kV
Total discharge current ( $I_{Total}$ )	:	8 kA
Voltage protection level ( $U_p$ )	:	L>N: 1,0 kV N>PE: 1,5 kV
Maximum overcurrent protection	:	NH 25 A gL/gG or MCB C 25 A
Short-circuit current rating ( $I_{scsr}$ )	:	6 kA with NH 25 A gL/gG 1 kA with MCB C 25 A
Rated load current ( $I_L$ )	:	25 A

**Additional information**

Type	Part.No.	Plugin module
DR M 4P 255 (FM)	953400 / 953405	953020

The surge protective device may also be provided with remote contacts.  
The type number is additional provided with suffix FM.

**Ratings:**

Rated voltage( $U_n$ )	:	250 Vac	250 Vdc	125 Vdc	75 Vdc
Rated current	:	0,5 A	0,1 A	0,2 A	0,5 A
Connection	:	max 1,5 mm <sup>2</sup> 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 2168399.02.

**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 long horizontal line.

Checked by : M.T.H. van Gemen

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

DEHN+ SÖHNE GmbH + Co. KG., Elektrotechnische Fabrik  
Hans-Dehn-Straße 1, 92318, Neumarkt, Germany