

# ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV



ELECTROTECHNICAL TESTING INSTITUTE - CZECH REPUBLIC  
ELEKTROTECHNISCHE PRÜFANSTALT - TSCHHECHISCHE REPUBLIK  
INSTITUT ELECTROTECHNIQUE D'ESSAIS - RÉPUBLIQUE TCHÉQUE  
ЭЛЕКТРОТЕХНИЧЕСКИЙ ИСПЫТАТЕЛЬНЫЙ ИНСТИТУТ - ЧЕШСКАЯ РЕСПУБЛИКА

Pod Lisem 129, 171 02 Praha 8 - Troja

## CERTIFICATE

No.: 1150242

**Product:** Power flash protector

**Type:** B20, B20M, B25, B25M, B80, B100, HS100

**Rating:** 255 V AC, 50 Hz, limp. 15 kA, 20 kA, 30 kA, 80 kA, 100 kA

**Ordering firm:** HAKEL spol. s r.o.  
Bratří Štefanů 980, 500 03 Hradec Králové, Slezské Předměstí, Czech Republic

**Manufacturer:** HAKEL spol. s r.o.  
Bratří Štefanů 980, 500 03 Hradec Králové, Slezské Předměstí, Czech Republic

**Trade mark:**

**The test results are stated in the test-report No.:** 403264-01/01 of: 26.03.2015

**A sample of the product was found to be in conformity with:**  
ČSN EN 61643-11 ed.2:13 cl. 7.1.1, 7.1.2, 7.2.1, 8.2, 8.3.1.1, 8.3.3.1, 8.4.4, 8.5.2-5, 8.3.6, 8.3.7;

**The validity of the certificate is limited to:** 30.4.2018

8.4.2015

Prague

Miroslav Sedláček  
Head of Certification Body



Stamp



403264-01



**ELECTROTECHNICAL TESTING INSTITUTE**  
**Pod Lisem 129**  
**171 02 Praha 8 - Troja**

No. of pages: 2  
No. of annexes/No. of an. pages:-/-

No. of the Test Report: 403264-01/01

Issued: 26.3.2015



## TEST REPORT

**Name of product:** Power flash protector  
**Type of product:** B20, B20M, B25, B25M, B80, B100, HS100  
**Ratings:** 255 V AC, 50 Hz, limp.15 kA, 20 kA, 30 kA, 80 kA, 100 kA  
**Serial number:** --  
**Manufacturer:** HAKEL spol. s r. o.,  
Bratří Štefanů 980, 500 03 Hradec Králové, Slezské  
Předměstí, Czech Republic  
**Production site:** --  
**Ordering firm:** HAKEL spol. s r. o.,  
Bratří Štefanů 980, 500 03 Hradec Králové, Slezské  
Předměstí, Czech Republic  
**Number of tested samples:** --  
**Samples submitted on:** --  
**Location of testing:** EZÚ  
**Tested from** 23.3.2015 through 26.3.2015  
**Other data:** Test Report EZÚ Ref. No. 103377-01/01  
**The product was tested according to:** ČSN EN 61643-11 ed.2:13 cl. 7.1.1, 7.1.2, 7.2.1, 8.2, 8.3.1.1, 8.3.3.1, 8.4.4, 8.5.2-5, 8.3.6, 8.3.7;

Compiled by:   
Petra M. Slavková

Approved by:   
Ing. František Nekola  
Testing laboratory manager



Test results stated in the test report apply only to the tested subject and unless specified otherwise in the test report, the tests were performed using the method and under the conditions determined in the test regulations, technical norm, instructions for use and information provided by the manufacturer on the tested subject and using accessories required by the manufacturer.  
Without written consent, this report must not be reproduced in any other way than as a whole.

**Name of product:** Power flash protector  
**Type of product:** B20, B20M, B25, B25M, B80, B100, HS100  
**Ratings:** 255 V AC, 50 Hz, Iimp.15 kA, 20 kA, 30 kA, 80 kA, 100 kA

The subject was certified by EZÚ with **Certificate Ref. No. 1110766** dated 25. 8. 2011 with corrigendum 2. 8. 2013 and **Test Report Ref. No. 103378-01/01** dated 18. 8. 2011.

Tested according to ČSN EN 61643-11:03+A11:07 cl. 6.1.1, 6.1.2, 6.5.1, 7.2.2, 7.3, 7.4, 7.4.1, 7.5, 7.5.2, 7.6.5, 7.7.4, 7.7.6, 7.9.2, 7.9.3, 7.9.4, 7.9.5, 7.9.6, 7.9.7, 7.9.8.  
meet requirements of  
DIN EN 61643-11(VDE 0675-6-11):2008-08 and IEC 61643-1:2005 (Second edition).

The standards used for testing were compared with the Czech versions of standards:  
**ČSN EN 61643-11 ed.2:13 cl. 7.1.1, 7.1.2, 7.2.1, 8.2, 8.3.1.1, 8.3.3.1, 8.4.4, 8.5.2-5, 8.3.6, 8.3.7;**

  
Compiled by: Petra M. Slavková

Date: 26. 3. 2015