

**TECHNICKÁ INŠPEKCIA, a.s.
TECHNICAL INSPECTION, Inc.**

SLOVAK REPUBLIC

ATTEST

No.: 07243 / 4 / 2011 – 2 – EZ

**of type examination of restricted technical equipment
issued according to regulation no. 508/2009 Coll.**

Date of examination: **22.11.2011**

Type of examination: Type examination

Name of the equipment: **Lightning conducting system and grounding device**

Type specification: see attachment no. 1

Equipment categorization: part of electric equipment of group **A,B**
(according to regulation no. 508/2009 Coll.
Attachment no.1)

Producer: **ZIN s.r.o., Mýtne námestie 464, 966 53 Hronský Beňadik**

Applicant for attest: **ZIN s.r.o.
Mýtne námestie 464
966 53 Hronský Beňadik**

Documentation for attest: **OS no.: 07243 / 4 / 2011 – 2**

After evaluating documentation, inspection and evaluation of test of the equipment the
Technická Inšpekcia a.s. (Technical Inspection Inc.)

attests that

**the equipment is in accordance with construction documentation of the type, to
which the professional opinion was published.**

**The supplier will inform Technická Inšpekcia a.s. (Technical Inspection Inc.),
Nitra on every change that could influence safety of this equipment.**

This attest has to be enclosed to technical documentation of the equipment.

Attest valid until: **28.11.2016**

In Nitra on: **28.11.2011**



On behalf of Technická Inšpekcia a.s. (Technical Inspection Inc.)
Ing. Alexander Sládeček
Head of department of electric equipment

OSV10-018

Attachment No 1:

Lightning conductor and grounding device

Ordering and derived variants:

Interception rod: JD 10, 15, 20, JD 10a, JD 15a, JD 20a, JZ 10, 15, JP 10,15,20,30, JK 05

Holders : DJ 1,2, DJ4h,5h, DJ4d,5d, DJ 7hd, 8hd

Protecting shelter: OS 01, 02, 04, 07

Conductor support: PV 01, 02, 03, 04, 05, 06, PV 01h

PV 11, 12, 13, 14, 15, 15 Br, 15 F, PV 15 UNI, PV 15 UNI small

PV 16, 17, 17-1, 17-2, 17-3, 17-4, 17-5, 17-6, 18, 19

PV 21 steel., PV 21 plastic, PV 22, PV 22 no turning., PV 22 Br., PV 22 Br

max,

PV 22pl, PV 22uni, PV 22 ton., PV 23, PV 23 turning., PV24, 25,

PV 31, 32, 41, 42, 43, 44, PP

Protection square: OU 1,7, 2m, OT

Holders: DUZ, DUD, DOU with screw. 1,2,3, DOU with pin., DOU with nail. 1, 2,3, DOT, SIL 1, SIL 2

Clamps: SJ 01, 02, SJ 01m, SJ02m, SJ 03,SJ3

SK, SO,

SU, SUA, SUB, SUB small, SUP, stainless steel strip 0,5m a 1m

DKS 01, 02, 03

Jointing clamp: SP 1, SP 2

Jointing clamp for eaves pipeline: ST 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11

Testing clamp: SZ, SZ pl. small Ms, SZ pl.small, SZ pl. large,

Connection clamp: SS with cleats. 2bolts., SS without cleats.2 bolts., SS without cleats. 1bolt., SSm with cleats.2 bolts., SSm without cleats.2 bolt, SM 8, 10

Out-of-service clamp: RS 1, 2, 3

Earthing clamp: SR 01, SR 02(M6), SR 02(M8), SR 02(M8) with plate., SR 02(M8) R,SR 03 A, SR 03 B, SR 03 C, SR 03 D, SR 03 E, SR 03 E s Ms.

Earthing board: ZD 01, ZD 01 without strip, ZD 02

Earthing rod: ZT 1m, ZT 1,5m, ZT2m, ZT 1m X profil, ZT 1,5m X profil, ZT 2m X profil, ZPT 1m, ZPT 1,5m, ZPT 2m, ZPT 2m s wire Ø 8, ZPT 1,5m p, ZTT 1m, ZTT 1,5m, ZTT 2m, ZTT 1m with the tip and plug, ZTT 1,5m with the tip and plug, ZTT 2m with the tip and plug

Earthing wire: FeZn ø8mm, ø10mm, AlMgSi ø8mm, Cu ø8mm, A2 ø8mm, A2 ø10mm, A4 ø8mm, A4 ø10mm

Earthing strip: FeZn 30x4, 30x3.5, 20x3, 25x3, 20x5, 25x4, 40x4, 40x5, 50x5, 60x5, 70x5.4, 75x5

Base: base FeZn on JD ø200mm

Lightning delayed: Concrete base on JP a OB 350x350mm

Base on OB variable

Holder FR OB

Isolated rods Ø 16

RS 03 OB

SJ 02m OB

SR 03 E OB

ST 04 OB

ST 05 OB

ST 06 OB

SUP OB
Tripod on AB, OB
Rod of parts L1
Rod of parts L2
Rod of parts L3
Ground screw ZV
PV 17 OB
PV 17-1 OB
PV 17-2 OB
PV 17-6 OB
PV 21 concrete
Plate to conductor support
Clamp for earth pipe ZT
PVV
PV50
Interception identification
Wire-straightening machine

These elements are produced in copper, stainless steel (A2 a A4) and aluminum (AlMgSi) design.