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STN	**Dráhové aplikácie. Signalizačné relé na jednosmerný prúd.**	**STN EN 50578** 34 2690

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/14

Obsahuje: EN 50578:2013

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50578

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English version

Railways applications - Direct current signalling relays

Applications ferroviaires - Relais de signalisation à courant continu

Bahnanwendungen - Gleichstrom-Signalrelais

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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Contents

Foreword

This document (EN 50578:2013) has been prepared by SC 9XA, "Communication, signalling and processing systems", of Technical Committee CENELEC TC 9X, "Electrical and electronic applications for railways".

The following dates are fixed:

• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2014-05-20
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	2016-05-20

This document is a transposition of the UIC leaflet 736, *Signalling relays*.

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Introduction

This European Standard gives a set of generic and specific requirements for direct current signalling relays.

This European Standard introduces a set of recommendations and requirements for signalling relay characteristics, construction, magnetic system, contacts and insulation. Requirements are coordinated with present international standards on all-or-nothing relays.

1 Scope

This European Standard gives requirements for direct current relays intended for safety-related applications in railway signalling installations.

This European Standard is applicable to monostable relays. However it can also be used as a guide for other relays such as with bistable relays.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50124-1, *Railway applications — Insulation coordination — Part 1: Basic requirements — Clearances and creepage distances for all electrical and electronic equipment*

EN 50125-3:2003, *Railway applications — Environmental conditions for equipment — Part 3: Equipment for signalling and telecommunications*

EN 60664-1, *Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests (IEC 60664-1)*