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Standards

Irish Standard  
I.S. EN 50377-15-1:2011

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications -- Part 15-1: Type MPO with 12-fibre PPS ferrules terminated on IEC 60793-2 category A1a multimode fibre for 50/125 micron multimode fibre

## I.S. EN 50377-15-1:2011

*Incorporating amendments/corrigenda issued since publication:*

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EUROPEAN STANDARD

**EN 50377-15-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2011

ICS 33.180.20

English version

**Connector sets and interconnect components to be used in optical fibre communication systems -  
Product specifications -  
Part 15-1: Type MPO with 12-fibre PPS ferrules terminated on IEC 60793-2 category A1a multimode fibre for 50/125 micron multimode fibre**

Jeux de connecteurs et composants d'interconnexion à utiliser dans les systèmes de communication par fibres optiques – Spécifications de produits - Partie 15-1: Type MPO équipé de ferrules PPS 12 fibres, raccordé sur fibres multimodales de catégorie A1a de la CEI 60793-2 pour fibres multimodales de 50/125 microns

Steckverbindersätze und Verbindungsbaulemente für Lichtwellenleiter-Datenübertragungssysteme – Produktnormen – Teil 15 1: Bauart MPO mit PPS-Ferrulen mit 12 Fasern zum Anschluss an Mehrmodenfasern der Kategorie A1a nach IEC 60793 2 für 50/125 µm-Mehrmodenfasern

This European Standard was approved by CENELEC on 2011-01-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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**CENELEC**

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

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## Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 86BXA, Fibre optic interconnect, passive and connectorised components.

The text of the draft was submitted to the formal vote and was accepted by CENELEC as EN 50377-15-1 on 2011-01-03.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2012-01-03
  - latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2014-01-03
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**CONNECTOR SETS AND INTERCONNECT COMPONENTS TO BE USED IN OPTICAL FIBRE COMMUNICATION SYSTEMS – PRODUCT SPECIFICATIONS**

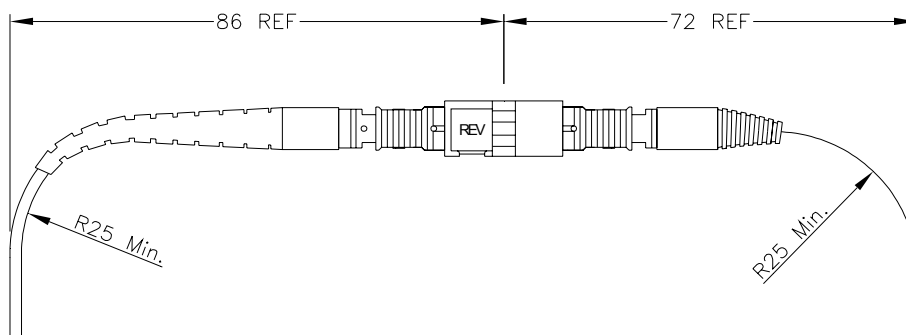
**Part 15-1: Type MPO with 12 fibre PPS ferrules terminated on IEC 60793-2 category A1a multimode fibre for 50/125 micron multimode fibre**

Description		Performance	
Coupling mechanism:	push-pull	Application:	Indoor applications (test severities derived from IEC category C)
Configuration:	plug/adaptor/plug	Attenuation grades: (random mated)	Max. $\leq 0,75$ dB 95 % $< 0,5$ dB Mean $\leq 0,35$ dB
Fibre category:	EN 60793-2, type A1a	Return loss grades:	R: $\geq 20$ dB
Cable type:	see Table 2		

**Related documents:**

- EN 50173 series, *Information technology – Generic cabling systems*
- EN 60793-2, *Optical fibres – Part 2: Product specifications – General* (IEC 60793-2)
- EN 60794-2, *Optical fibre cables – Part 2: Indoor cables – Sectional specification* (IEC 60794-2)
- EN 60794-2-30, *Optical fibre cables – Part 2-30: Indoor cables – Family specification for ribbon cables* (IEC 60794-2-30)
- EN 61300 series, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures* (IEC 61300 series)
- EN 61753-1, *Fibre optic interconnecting devices and passive components performance standard – Part 1: General and guidance for performance standards* (IEC 61753-1)
- EN 61754-7, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 7: Type MPO connector family* (IEC 61754-7)
- ISO/IEC 11801, *Information technology – Generic cabling for customer premises*

**Maximum outline dimensions:**



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