

# Distribution automation using distribution line carrier systems —

## Part 3: Mains signalling requirements —

### Section 21: MV phase-to-phase isolated capacitive coupling device

The European Standard EN 61334-3-21:1996 has the status of a  
British Standard

ICS 29.240.20

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# Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PEL/57, Power systems control and associated communications, upon which the following bodies were represented:

- BEAMA Metering Association (BMA)
- Building Automation and Mains Signalling Association (BASMA)
- Electricity Association
- Federation of the Electronics Industry
- GAMBICA
- Institution of Electrical Engineers
- Transmission and Distribution Association (BEAMA Ltd.)

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## Amendments issued since publication

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# Contents

|                        | Page               |
|------------------------|--------------------|
| Committees responsible | Inside front cover |
| National foreword      | ii                 |
| Foreword               | 2                  |
| Text of EN 61334-3-21  | 3                  |
| List of references     | Inside back cover  |

## National foreword

This British Standard has been prepared by Technical Committee PEL/57 and is the English language version of EN 61334-3-21:1996 *Distribution automation using distribution line carrier systems — Part 3: Mains signalling requirements — Section 21: MV phase-to-phase isolated capacitive coupling device*, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 1334-3-21:1996, published by the International Electrotechnical Commission (IEC).

### Cross-references

| Publication referred to                 | Corresponding British Standard                                                                                                                                                                                                                                      |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN 60071-1:1995<br>(IEC 71-1:1993)      | BS EN 60071 <i>Insulation co-ordination</i><br>BS EN 60071-1:1996 <i>Definitions, principles and rules</i>                                                                                                                                                          |
| EN 60721-1:1995<br>(IEC 721-1:1990)     | BS EN 60721 <i>Classification of environmental conditions</i><br>BS EN 60721-1:1996 <i>Environmental parameters and their severities</i><br>BS 7527 <i>Classification of environmental conditions</i><br>Part 2 <i>Environmental conditions appearing in nature</i> |
| IEC 721-2-1:1982                        | Section 2.1:1991 <i>Temperature and humidity</i>                                                                                                                                                                                                                    |
| IEC 721-2-2:1988                        | Section 2.2:1991 <i>Precipitation and wind</i>                                                                                                                                                                                                                      |
| IEC 721-2-3:1987                        | Section 2.3:1991 <i>Air pressure</i>                                                                                                                                                                                                                                |
| IEC 721-2-4:1987                        | Section 2.4:1991 <i>Solar radiation and temperature</i>                                                                                                                                                                                                             |
| IEC 721-2-5:1991                        | Section 2.5:1991 <i>Dust, sand, salt mist</i>                                                                                                                                                                                                                       |
| IEC 721-2-6:1990                        | Section 2.6:1990 <i>Earthquake vibration and shock</i>                                                                                                                                                                                                              |
| IEC 721-2-7:1987                        | Section 2.7:1991 <i>Fauna and flora</i><br>BS EN 60721 <i>Classification of environmental conditions</i><br>BS EN 60721-3 <i>Classification of groups of environmental parameters and their severities</i>                                                          |
| EN 60721-3-0:1993<br>(IEC 721-3-1:1987) | BS EN 60721-3-0:1993 <i>Introduction</i>                                                                                                                                                                                                                            |
| EN 60721-3-1:1993<br>(IEC 721-3-1:1987) | BS EN 60721-3-1:1993 <i>Storage</i>                                                                                                                                                                                                                                 |
| EN 60721-3-2:1993<br>(IEC 721-3-2:1985) | BS EN 60721-3-2:1993 <i>Transportation</i>                                                                                                                                                                                                                          |
| EN 60721-3-3:1995<br>(IEC 721-3-3:1994) | BS EN 60721-3-3:1995 <i>Stationary use at weatherprotected locations</i>                                                                                                                                                                                            |
| EN 60721-3-4:1995<br>(IEC 721-3-4:1995) | BS EN 60721-3-4:1995 <i>Stationary use at non-weatherprotected locations</i>                                                                                                                                                                                        |
| EN 60721-3-5:1993<br>(IEC 721-3-5:1985) | BS EN 60721-3-5:1993 <i>Ground vehicle installations</i>                                                                                                                                                                                                            |
| EN 60721-3-6:1993<br>(IEC 721-3-6:1987) | BS EN 60721-3-6:1993 <i>Ship environment</i>                                                                                                                                                                                                                        |
| EN 60721-3-7:1995<br>(IEC 721-3-7:1995) | BS EN 60721-3-7:1996 <i>Portable and non-stationary use</i>                                                                                                                                                                                                         |
| EN 60721-3-9:1993<br>(IEC 721-3-9:1993) | BS EN 60721-3-9:1993 <i>Microclimates inside products</i>                                                                                                                                                                                                           |

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#### **Summary of pages**

This document comprises a front cover, an inside front cover, pages i to iv, the EN title page, pages 2 to 14, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.



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English version

**Distribution automation using distribution  
line carrier systems  
Part 3: Mains signalling requirements  
Section 2.1: MV phase-to-phase isolated capacitive  
coupling device**

(IEC 1334-3-21:1996)

Automatisation de la distribution à l'aide de  
systèmes de communication à courants  
porteurs  
Partie 3: Prescriptions concernant la  
transmission des signaux sur le secteur  
Section 2.1: Dispositif de couplage phase-phase  
capacitif isolé MT  
(CEI 1334-3-21:1996)

Verteilungsautomatisierung mit Hilfe von  
Trägersystemen auf Verteilungsleitungen  
Teil 3: Netzbedingte Anforderungen an die  
Signalübertragung  
Hauptabschnitt 2.1: Kapazitiv getrennte  
Außenleiter-Außenleiter-Ankopplungs-  
einrichtungen für Mittelspannung  
(IEC 1334-3-21:1996)

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## CENELEC

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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