

CERTIFICATE

Issued to:
Applicant:
ABB S.P.A.
Via Vittor Pisani 16
20124 Milano, Italy

Licensee:
ABB S.p.A.
Viale dell'Industria 18
20009 Vittuone (MI), Italy

Product : Circuit-breakers for overcurrent protection for household and similar installations
Trade name(s) : AEG
Type(s)/model(s) : EX41NRxxx series

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 60898-1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 900107

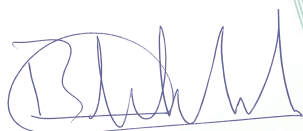
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 25 June 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-142091

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Circuit-breakers for overcurrent protection for household and similar installations
Trade name(s)	: AEG
Type(s)/model(s)	: EX41NRxxx
Rated voltage (Ue)	: 230 Vac
Rated impulse withstand voltage (Uimp)	: 4 kV
Rated current (In)	: 2 A, 4 A, 6 A, 10 A, 16 A, 20 A, 25 A, 32 A, 40 A
Rated frequency	: 50/60 Hz
Rated short-circuit capacity (Icn)	: 4500 A
Rated service short-circuit capacity (Ics)	: 4500 A
Rated making and breaking capacity of an individual pole (Icn1)	: 4500 A
Number of poles	: 1-Pole+N
Protection against external influences	: unenclosed-type
Method of mounting	: panel board
Method of connection	: the electrical connections of circuit-breakers are not associated with the mechanical mounting
Type of terminals	: pillar-type
Range of instantaneous tripping	: C-type
Energy limiting class	: class 3
Reference ambient air temperature	: 30 °C
Safety distance "a" (grid)	: 35 mm
Degree of protection	: IP20

TESTS**Test requirements**

EN 60898-1:2019

Test result

The test results are documented in DEKRA test file 228913700.

Additional information

Type designation of EN41NRxxx:
For example EN41NRC40

The first x denotes the tripping characteristic, it can be C.

The second and third x denote the rated current, it can be 02, 04, 06, 10, 16, 20, 25, 32 or 40.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

ABB S.p.A.
Via Ardeatina 2491
00134 Santa Palomba (RM), Italy

UK Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of the manufacturer

ABB S.p.A. – ELSB
Via dell'Industria, 18
I 20009 Vittuone (MI) - Italy

Object of declaration

Circuit-breakers for overcurrent protection for household and similar installations
Type AEG EX41NR, EX61NR series

The object of the declaration described above is in conformity with the relevant statutory requirements

Electrical Equipment (Safety) Regulations 2016

Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
Regulations 2012

and are in conformity with the following designated standards or other normative documents

EN/IEC 60898-1:2015, EN/IEC 60898-1:2015/AMD1:2019
EN IEC 63000:2018

Signed for and on behalf of

ABB S.p.A. –ELSB, Vittuone, 05th June 2024

Andrea Villani
Quality Manager
LPG ED IT



Matteo Chiaravalli
R&D Manager
LPG ED IT





Certificado AENOR de Producto

AENOR Product Certificate



030/002637

AENOR certifica que | AENOR certifies that

ABB S.p.A.

Domicilio social / Registered office

VIA VITTOR PISANI, 16
20124 MILANO (Italia)

Suministra el producto
Supplies the product

Interruptor automático magnetotérmico
Circuit-Breakers for overcurrent protection for household and similar installation

Conforme con / In compliance with

UNE-EN 60898-1:2020 (EN 60898-1:2019)

Referencias
References

Detalladas en el Anexo al Certificado
Specified in Annex to the Certificate

Centro de producción / Production site

VIA ARDEATINA, 2491
00134 SANTA PALOMBA (Italia)

Esquema de evaluación
Assessment scheme

Este certificado se ha concedido de acuerdo con lo establecido en el
Reglamento Particular de Certificación de AENOR RP 030.15.

This Certificate has been granted in accordance with AENOR Specific
Rules RP 030.15.

Primera emisión / First issued
Expiración / Validity

2024-06-21
2029-06-21

Rafael GARCÍA MEIRO
CEO



AENOR CONFÍA S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com



Certificado AENOR de Producto AENOR Product Certificate

030/002637

Anexo al Certificado Annex to Certificate

Marca comercial / Trade mark: AEG

Referencia / Type Ref.	Nº de polos / No. of poles	Tensión asignada / Rated voltage	Intensidad asignada / Rated current	Poder de corte asignado (Icn) / Short circuit capacity	Poder de corte por polo (Icn1) / Individual pole capacity	Clase de limitación de energía / Energy limiting class	Curva / Tripping current
EX41NRC02	1P+N	230V~	2 A	4500 A	4500 A	3	C
EX41NRC04	1P+N	230V~	4 A	4500 A	4500 A	3	C
EX41NRC06	1P+N	230V~	6 A	4500 A	4500 A	3	C
EX41NRC10	1P+N	230V~	10 A	4500 A	4500 A	3	C
EX41NRC16	1P+N	230V~	16 A	4500 A	4500 A	3	C
EX41NRC20	1P+N	230V~	20 A	4500 A	4500 A	3	C
EX41NRC25	1P+N	230V~	25 A	4500 A	4500 A	3	C
EX41NRC32	1P+N	230V~	32 A	4500 A	4500 A	3	C
EX41NRC40	1P+N	230V~	40 A	4500 A	4500 A	3	C

Primera emisión / First issued 2024-06-21
Expiración / Validity 2029-06-21



AENOR CONFÍA S.A.U.
Génova, 6. 28004 Madrid. España
Tel. 91 432 60 00.- www.aenor.com

ZEICHENGENEHMIGUNG MARKS APPROVAL

ABB S.p.A.
Via Vittor Pisani 16
20124 Milano MI
Italy

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Leitungsschutzschalter
Circuit-breaker

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 60898-1 (VDE 0641-11):2020-11; EN 60898-1:2019



VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

T. Stenger

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

VDE

Aktenzeichen: 5004110-1200-0001 / 319709

File ref.:

Ausweis-Nr. 40058651

Certificate No.

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2024-06-05

Blatt 1
Page

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>



Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
ABB S.p.A., Via Vittor Pisani 16, 20124 MILANO MI, ITALY

Aktenzeichen / *File ref.*
5004110-1200-0001 / 319709 / TL3 / HF

Datum / *Date*
2024-06-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40058651.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40058651.

Leitungsschutzschalter *Circuit-breaker*

Typ(en) / *Type(s)*

Serie(s) EX41NR

Bemessungsspannung <i>Rated voltage</i>	AC 230 V
Bemessungsstrom <i>Rated current</i>	2 A; 4 A; 6 A; 10 A; 16 A; 20 A; 25 A; 32 A; 40 A
Bemessungsfrequenz <i>Rated frequency</i>	50 / 60 Hz
Bemessungsschaltvermögen <i>Rated making and breaking capacity</i>	4500 A
Abstand des Gitterstromkreises <i>Grid distance</i>	35 mm
Energiebegrenzungsklasse <i>Energy limiting class</i>	3
Auslösecharakteristik <i>Instantaneous tripping current</i>	C
Anzahl der Pole <i>Number of poles</i>	einpolig + N <i>single-pole + neutral</i>
Anbringungsart <i>Attachment type</i>	Tragschienenmontage <i>mounting rail</i>
Weitere Angaben <i>Further information</i>	siehe Anlage Nr. 100 vom 2024-06-05 <i>see appendix no. 100 dated 2024-06-05</i>

VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Ausweis-Nr. / Beiblatt /
Certificate No. Supplement
40058651

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
ABB S.p.A., Via Vittor Pisani 16, 20124 MILANO MI, ITALY

Aktenzeichen / *File ref.*
5004110-1200-0001 / 319709 / TL3 / HF

Datum / *Date*
2024-06-05

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40058651.
This supplement is part of the Certificate No. 40058651.

Leitungsschutzschalter *Circuit-breaker*

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/ <i>Reference</i>	ABB S.p.A. DIVISIONE SACE
30015642	Via Ardeatina 2491
	00134 SANTA PALOMBA RM
	ITALY

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
ABB S.p.A., Via Vittor Pisani 16, 20124 MILANO MI, ITALY

Aktenzeichen / *File ref.*
5004110-1200-0001 / 319709 / TL3 / HF

Datum / *Date*
2024-06-05

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40058651.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40058651.

Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.

Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.

Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.

Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.

Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:

Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.

The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).

The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.

Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.

The approval is solely signed on the first page.

PID:
03011000

CID:
C.1993.1381

Certificato di approvazione

Approval certificate



IMQ, ente di certificazione accreditato,
autorizza la ditta

IMQ, accredited certification body, grants to

PRD N° 005B

Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC
Mutual Recognition Agreements

ABB SPA
VIA VITTOR PISANI 16
20124 MILANO MI
IT - Italy

all'uso del marchio

the licence to use the mark

IMQ

Il presente certificato è
soggetto alle condizioni
previste nel Regolamento
"MARCHI IMQ - Regolamento
per la certificazione di prodotti"
ed è relativo ai prodotti descritti
nell'Allegato al presente
certificato.



per i seguenti prodotti

for the following products

**Interruttori automatici di
sovracorrente per usi domestici e
similari
(serie EX41NR)**

**Circuit breakers for overcurrent
protection for hous. installations
(EX41NR series)**

This certificate is subjected to the
conditions foreseen by Rules
"IMQ MARKS - RULES for
product certification" and is
relevant to the products listed in
the annex to this certificate.

Emesso il | Issued on **2024-04-18**

Aggiornato il | Updated on ---

Sostituisce | Replaces ---

IMQ S.p.A.

Allegato - Certificato di approvazione
Annex - Approval certificate

Emesso il | Issued on 2024-04-18
Aggiornato il | Updated on ---
Sostituisce | Replaces ---

Prodotto | Product

Interruttori automatici di sovracorrente per usi domestici e simili
Circuit breakers for overcurrent protection for hous. installations

Concessionario | Licence Holder

ABB SPA
VIA VITTOR PISANI 16
20124 MILANO MI
IT - Italy

Marchio | Mark



IMQ

Costruito a | Manufactured at

PI.G0007Q C02099835 00134 SANTA PALOMBA RM Italy

Copia del presente certificato deve essere conservata presso i luoghi di produzione sopra elencati.

Copy of this certificate must be available at the manufacturing places listed above

Norme / Specifiche tecniche

Prodotto/i conforme/i alle Norme/Specifiche tecniche:

EN 60898-1:2019

Prodotti conformi agli obiettivi di sicurezza della Direttiva B.T. 2014/35/UE (Allegato I).

Standards / Technical specifications

Product/s complying to Standards/Technical specifications:

EN 60898-1:2019

Products meeting the safety objectives of Low Voltage Directive 2014/35/EU (Annex I).

Rapporti | Test Reports

PB23-0096393-02

Caratteristiche tecniche | Technical characteristics

Serie Series	EX41NR
Corrente nominale Rated current	2 A; 4 A; 6 A; 10 A; 16 A; 20 A; 25 A; 32 A; 40 A
Corrente intervento istantaneo Tripping current	tipo C / type C
Tensione nominale Rated voltage	230 V
Natura dell'alimentazione Nature of supply	c.a. / a.c.
Frequenza Frequency	50/60 Hz
Potere nominale di corto-circuito Short circuit breaking capacity	4500 A
Classe di energia specifica passante Energy limiting class	3
Tipo di installazione Type of installation	quadro / distribution board
Potere di chiusura e di interruzione nominale di un polo singolo Rated making and breaking capacity of an individual pole (Icn1)	4500 A



Articoli (con dettagli) | Articles (with details)

AR.Y0029V

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC02**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC02**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **2 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y0029W

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC04**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC04**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **4 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y0029X

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC06**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC06**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **6 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y0029Y

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC10**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC10**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **10 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y002A0

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC16**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC16**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **16 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y002A1

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC20**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC20**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **20 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**



AR.Y002A4

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC25**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC25**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **25 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y002A2

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC32**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC32**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **32 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

AR.Y002A3

Marca | Trade mark **AEG**

Riferimento di tipo | Type reference **EX41NRC40**

Articolo/Riferimento a catalogo | Article/Catalogue reference **EX41NRC40**

Numero di poli | Number of poles **1P+N**

Corrente nominale | Rated current **40 A**

Tensione nominale | Rated voltage **230 V**

Corrente di intervento istantaneo | Instantaneous tripping current **tipo C / type C**

Diritti di concessione | Annual Fees

SN.Y0008M

BTY.030100.DA1Q

Importo serie IMQ derivate - 0301 - Interruttori automatici di sovracorrente per usi domestici e simili |
IMQ derived series - 0301 - Circuit breakers for overcurrent protection for household and similar
installation

1