



**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM  
**VOLTAGE BACK-UP FUSES**

**Application Areas**

Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

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**CONTENTS**

1. DOCUMENT AIMS AND APPLICATION AREA .....	2
2. DOCUMENT VERSION MANAGEMENT .....	2
3. UNITS IN CHARGE OF THE DOCUMENT .....	3
4. REFERENCES .....	3
5. ORGANIZATIONAL PROCESS POSITION IN THE PROCESS TAXONOMY .....	3
6. DEFINITIONS AND ACRONYMS .....	3
7. DESCRIPTION .....	5

**THE HEAD OF Network Components**

**Fabrizio Gasbarri**

BOLLA


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

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## 1. DOCUMENT AIMS AND APPLICATION AREA

The scope of this document is to provide the technical requirements for the supply of MEDIUM VOLTAGE INDOOR FUSE-LINKS used by the Enel Group Distribution Companies, listed below:

Country	Distribution Company
Argentina	Edesur
Brazil	Enel Distribuição Rio Enel Distribuição Ceará Enel Distribuição Goiás Enel Enel Distribuição São Paulo
Chile	Enel Distribución Chile
Colombia	Codensa
Iberia	e-distribución
Italy	e-distribuzione
Peru	Enel Distribución Perú
Romania	E-Distributie Banat E-Distributie Dobrogea E-Distributie Muntenia

This standard applies to all types of high-voltage current-limiting fuses designed for use in indoors on alternating current systems of 50 Hz and 60 Hz and of rated voltages exceeding 1000 V.

### 1.1 RELATED DOCUMENTS TO BE IMPLEMENTED AT COUNTRY LEVEL

This document applies to both Enel Global Infrastructure and Networks Srl Company and to Infrastructure and Networks Business Line perimeter when each Company does not have to issue further documents.

## 2. DOCUMENT VERSION MANAGEMENT


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM  
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Version	Date	Main changes description
1	01/03/2022	Release of "Global Infrastructure and Networks – GSCM008 vers. 1 Standardized format release, editorial errors correction.

### 3. UNITS IN CHARGE OF THE DOCUMENT

Responsible for drawing up the document:

- Global Infrastructure and Networks: Operation and Maintenance / Network Components Standardization

Responsible for authorizing the document:

- Global Infrastructure and Networks: Head of Operation and Maintenance unit
- Global Infrastructure and Networks: Head of Health, Safety, Environment and Quality unit.

### 4. REFERENCES

- Code of Ethics of Enel Group.
- Enel Human Right Policy.
- The Enel Group Zero Tolerance of Corruption (ZTC) Plan.
- Organization and management model as per Legislative Decree No. 231/2001.
- RACI Handbook Infrastructure and Networks no. 06.
- Enel Global Compliance Program (EGCP).
- Integrated Policy of Quality, Health and Safety, Environment and anti-Bribery.

### 5. ORGANIZATIONAL PROCESS POSITION IN THE PROCESS TAXONOMY

Value Chain/Process Area: Networks Management

Macro Process: Materials management

Process: Network Components Standardization

### 6. DEFINITIONS AND ACRONYMS

Acronym and Key words	Description
<b>Manufacturer Product</b>	Component manufactured by a Supplier in accordance with a technical specification


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM  
VOLTAGE BACK-UP FUSES**
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<b>Technical Assessment (TCA) Conformity</b>	A “conformity assessment” <sup>1</sup> with respect to “specified requirements” <sup>2</sup> consists in functional, dimensional, constructional and test characteristics required for a product (or a series of products) and quoted in technical specifications and quality requirements issued by Enel Group distribution companies. This also includes the verification of conformity with respect to local applicable regulation and laws and possession of relevant requested certifications
<b>Conformity assessment body</b>	Body that performs the conformity assessment activities [ISO 17000]
<b>Enel Equipment Key code</b>	It's an equipment representative for a group (family) of similar equipment chose by Enel
<b>Enel Equipment Family code</b>	Equipment belonging to a specific group (family) in which another equipment is identified as key code
<b>TCA systems</b>	The “conformity assessment systems”, is applicable specifying that the rules and procedures to carry on the TCA are those specified in the present document
<b>Type A documentation</b>	Not confidential documents used for product manufacturing and management from which it is possible to verify the product conformity to all technical specification requirements, directly or indirectly
<b>Type B documentation</b>	Confidential documents used for product manufacturing and management where all product project details are described, in order to uniquely identify the product object of the TCA
<b>TCA report</b>	Document describing the activities carried out for TCA
<b>TCA dossier</b>	Set of final documents delivered by the Supplier for the TCA
<b>Material LifeCycle Management (MLM)</b>	Integrated IT platform to manage the processes of Technical Specifications (TSM), Technical Conformity Assessment (TCA), Quality Control Tools (QCA), Defects Managing (CMD), Warranties and Materials Shipping (MSH)

**Enel Global Infrastructure and Networks countries Reference standards**

Reference documents listed below (amendments included) shall be the edition in-force at the contract date.

ISO/IEC 17000	Conformity assessment – Vocabulary and general principles
ISO/IEC 17020	General criteria for the operation of various types of bodies performing inspection
ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories
ISO/IEC 17050-1	Conformity assessment - Supplier's declaration of conformity - Part 1: General requirements (ISO/IEC 17050-1:2004, corrected version 2007-06-15)

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<sup>1</sup> Definition 2.1 of ISO/IEC 17000

<sup>2</sup> Definition 3.1 of ISO/IEC 17000


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

- ISO/IEC 17050-2 Conformity assessment - Supplier's declaration of conformity - Part 2: Supporting documentation (ISO/IEC 17050-2:2004)
- ISO/IEC 17065 Conformity assessment – Requirements for bodies certifying products, processes and services

## 7. DESCRIPTION

### 7.1 LIST OF COMPONENTS

TYPE CODE	DESCRIPTION	Rated Voltage (kV)	Rated Current (A)	Classe of Fuse
GSCM008/1	FUSE-LINK 24KV – 5 A - Back-Up fuse	24	5	Back-up
GSCM008/2	FUSE-LINK 24KV – 6,3 A - Back-Up fuse	24	6,3	Back-up
GSCM008/3	FUSE-LINK 24KV - 10 A - Back-Up fuse	24	10	Back-up
GSCM008/4	FUSE-LINK 24KV - 16 A - Back-Up fuse	24	16	Back-up
GSCM008/5	FUSE-LINK 24KV – 20 A - Back-Up fuse	24	20	Back-up
GSCM008/6	FUSE-LINK 24KV - 25 A - Back-Up fuse	24	25	Back-Up
GSCM008/7	FUSE-LINK 24KV - 32 A - Back-Up fuse	24	32	Back-up
GSCM008/8	FUSE-LINK 24KV - 40 A - Back-Up fuse	24	40	Back-Up
GSCM008/9	FUSE-LINK 24KV - 50 A - Back-Up fuse	24	50	Back-up
GSCM008/10	FUSE-LINK 24KV - 63 A - Back-Up fuse	24	63	Back-Up
GSCM008/11	FUSE-LINK 24KV - 80 A - Back-Up fuse	24	80	Back-up
GSCM008/12	FUSE-LINK 24KV - 100 A - Back-Up fuse	24	100	Back-Up
GSCM008/13	FUSE-LINK 24KV - 125 A - Back-Up fuse	24	125	Back-Up
GSCM008/14	FUSE-LINK 24KV - 140 A - Back-Up fuse	24	140	Back-Up
GSCM008/15	FUSE-LINK 24KV - 160 A - Back-Up fuse	24	160	Back-Up
GSCM008/16	FUSE-LINK 24KV - 200 A - Back-Up fuse	24	200	Back-Up
GSCM008/17	FUSE-LINK 36KV – 5 A - Back-Up fuse	36	5	Back-Up
GSCM008/18	FUSE-LINK 36KV – 6,3 A - Back-Up fuse	36	6,3	Back-up
GSCM008/19	FUSE-LINK 36KV - 10 A - Back-Up fuse	36	10	Back-up
GSCM008/20	FUSE-LINK 36KV - 16 A - Back-Up fuse	36	16	Back-up
GSCM008/21	FUSE-LINK 36KV - 20 A - Back-Up fuse	36	20	Back-up
GSCM008/22	FUSE-LINK 36KV - 25 A - Back-Up fuse	36	25	Back-Up
GSCM008/23	FUSE-LINK 36KV - 32 A - Back-Up fuse	36	32	Back-up
GSCM008/24	FUSE-LINK 36KV - 40 A - Back-Up fuse	36	40	Back-Up
GSCM008/25	FUSE-LINK 36KV - 50 A - Back-Up fuse	36	50	Back-up
GSCM008/26	FUSE-LINK 36KV - 63 A - Back-Up fuse	36	63	Back-Up
GSCM008/27	FUSE-LINK 36KV - 80 A - Back-Up fuse	36	80	Back-Up


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

GSCM008/28	FUSE-LINK 36KV - 100 A - Back-Up fuse	36	100	Back-Up
GSCM008/29	FUSE-LINK 36KV - 125 A - Back-Up fuse	36	125	Back-Up
GSCM008/30	FUSE-LINK 36KV - 140 A - Back-Up fuse	36	140	Back-Up
GSCM008/31	FUSE-LINK 36KV - 160 A - Back-Up fuse	36	160	Back-Up
GSCM008/32	FUSE-LINK 36KV - 200 A - Back-Up fuse	36	200	Back-Up

**Table - List of components**

## 7.2 APPLICABLE LAWS AND REFERENCE STANDARDS

Reference documents listed below (amendments included) shall be the edition in-force at the contract date.

### Reference Laws

#### Brazil

NR-10 – Segurança em instalações e serviços em eletricidade;

#### Chile

NSEG 5 e n. 71 – Reglamento de Instalaciones Electricas de Corrientes Furtas;

#### Colombia

RETIE – Reglamento Técnico de Instalaciones Eléctricas;

#### Peru

Código Nazional Electro- Sumnistro;

#### Italy

D.Lgs n. 81 of the 9th of April 2008 and subsequent modifications;

D.P.R. n. 43 of the 27th of January 2012;

#### Spain

Real Decreto 337/2014, de 9 de mayo, por el que se aprueban el Reglamento sobre condiciones técnicas y garantías de seguridad en instalaciones eléctricas de alta tensión y sus Instrucciones Técnicas Complementarias ITC-RAT 01 a 23.

Real Decreto 614/2001, de 8 de junio, sobre disposiciones mínimas para la protección de la salud y seguridad de los trabajadores frente al riesgo eléctrico.

R. D. 223/2008, de 15 de febrero, por el que se aprueban el Reglamento sobre condiciones técnicas y garantías de seguridad en líneas eléctricas de alta tensión y sus instrucciones técnicas complementarias ITC-LAT 01 a 09.

#### Romania

Legea nr.319 din 14 iulie 2006 securității și sănătății în muncă and subsequent modifications.



**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM  
**VOLTAGE BACK-UP FUSES**

**Application Areas**

Perimeter: *Global*

Staff Function: -

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Business Line: *Infrastructure & Networks*

## International Standards

The below listed reference documents shall be intended in the in-force edition at the contract date (amendments included). Unless otherwise specified, these documents are valid until the new editions replace them.

For Latin America destinations, the reference standards are the IEC/ISO, whilst for Europe destinations the reference standards are the correspondent European ones (EN).

IEC 60282-1	High-voltage fuses. Part 1: Current-limiting fuses.
IEC62271-105	High-voltage switchgear and controlgear - Part 105 Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV
ISO 2859	Sampling procedures for inspection by attributes

## ENEL Technical Standards

Global Infrastructure and Networks Barcode specification.

### 7.3 SERVICE CONDITIONS

Fuses complying with this standard are designed to be used under the following conditions:

- The maximum ambient air temperature is 40 °C and its mean measured over a period of 24 h does not exceed 35 °C.
- The minimum ambient air temperature is –25 °C.
- The altitude up to 1000 m.

When fuses incorporating external insulation are required for use at altitudes above 1.500 m, the procedure given in section 4.2 of IEC 60282-1 should be adopted.

### 7.4 TECHNICAL CHARACTERISTICS

#### Definitions

**Fuse:** Device that by the fusing of one or more of its specially designed and proportioned components opens the circuit in which it is inserted by breaking the current when this exceeds a given value for a sufficient time. The fuse comprises all the parts that form the complete device.

**Fuse-base:** Fixed part of a fuse provided with contacts and terminals. (When applicable, the covers are considered as part of the fuse-base).

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**
Perimeter: *Global*

Staff Function: -

Service Function: -

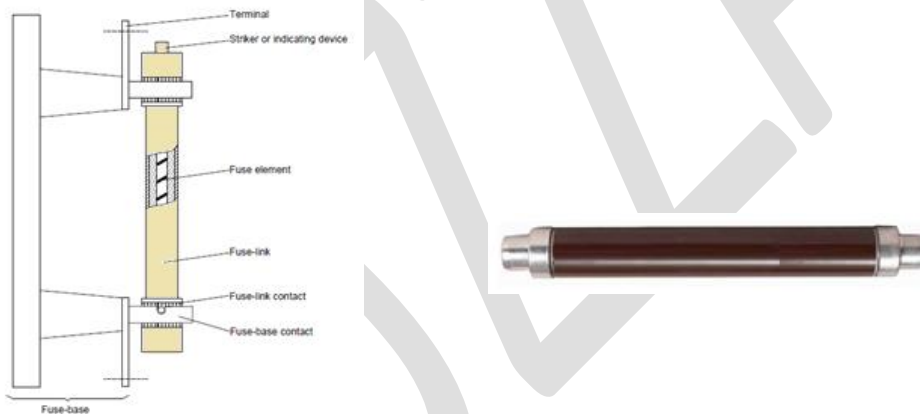
Business Line: *Infrastructure & Networks*

**Fuse-link:** Part of a fuse including the fuse-element(s) and striker or indicating device, intended to be replaced after the fuse has operated.

**Fuse-link-contact:** Two or more conductive parts designed to ensure circuit continuity between a fuse-link and the corresponding fuse-holder.

**Fuse-element:** Part of the fuse-link designed to melt under the action of current exceeding some definite value for a definite period of time (The fuse-link may comprise several fuse-elements in parallel). The basic material of the fuse-element must be pure silver (Ag)

Application field of fuse-link designed for high-voltage current-limiting shall be according IEC 60282-1, limited to indoor installation on alternating current systems of 50 Hz and 60 Hz and rated voltages exceeding 1000 V.



**Fig. – Example of a complete MT fuse - fuse link**

**Rated Voltage**

The rated voltage used to designate the fuse-link and from which the test conditions are determined

Rated voltage kV
24
36

24 kV fuses will be used for voltage levels from 10 to 24 kV.

36 kV fuses will be used for voltage levels from 24kV to 36kV.

It must be ensured that fuses can be used on modules with voltage levels below 24kV and 36kV.

**Rated current of fuse-link  $I_r$**




**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM

**VOLTAGE BACK-UP FUSES**
**Application Areas**
Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

The rated current “A” of a fuse-base are :

5	6,3	10	16	20	25	32	40	50	63	80	100	125	140	160	200
---	-----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----

**Rated frequency**

Standard values of rated frequency are:

Country	Hz
Argentina	50
Brazil	60
Chile	50
Colombia	60
Iberia	50
Italy	50

**Rated breaking capacity**

- **Breaking maximum current**

Rated voltage kV	Maximum breaking Current kA
24	≥ 50
36	≥ 25

Table - maximum breaking current

**Rated minimum breaking current I<sub>3</sub> class**

The minimum breaking current must be  $\leq 3$  times the rated current rated frequency

**Temperature limits**

The fuse must be able to carry its rated current continuously without exceeding the temperature rise limits without deteriorating:

Component or material	Maximum value of	
	Temperature °C	Temperature rise °C
Silver o nickel coated	105	65

Table - Limits of temperature and temperature rise for components and materials

**Limits of switching voltage**


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**

Application Areas

Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

The value of the switching voltage during operation in all tests must not exceed those indicated in the table:

Rated voltage kV	Maximum switching voltage kV
24	85
36	120

**Table – Maximum permissible switching voltages**
**Time-current characteristics**

The manufacturer shall make available curves from the data determined by the time-current characteristics type tests.

The operating time-current curves shall be performed according to the standard tests given in IEC 60282-1.

The curves show:

- The relationship between the virtual pre-arc time and the rated operating current.
- The minimum breaking current must be low enough to ensure proper coordination with the breaking currents of the distribution network.

For mean values, the tolerance must not exceed  $\pm 20\%$ .

If minimum values are used, the tolerance must not exceed  $+ 50\%$ .

The type and range of the fuse for which the curve applies. The curves should be provided in digital format and entered into TCA.

**Cut-off characteristics**

The manufacturer shall indicate the upper limit of the cut-off current corresponding to each value of prospective breaking current up to the rated maximum breaking current of the fuse.

**I<sup>2</sup>t characteristics**

The manufacturer must indicate in the table, depending on the operating current, the operating values I<sup>2</sup>t and pre-arcing values I<sup>2</sup>t

Rated current A	I <sup>2</sup> t pre-arcing maximum and minimum values	Total I <sup>2</sup> t maximum and minimum values
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**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM  
VOLTAGE BACK-UP FUSES**
**Application Areas**Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

	[A <sup>2</sup> s]	[A <sup>2</sup> s]
5		
6,3		
10		
16		
20		
25		
32		
40		
50		
63		
80		
100		
125		
160		
200		

Table - I<sup>2</sup>t characteristics**Power dissipation**

The dissipated power must be as shown in the table:

24kV	
Rated current A	Power dissipation (W)
5	< 20
6,3	< 56
10	< 59
16	< 61
20	<64
25	< 68
32	< 77
40	< 115
50	< 112
63	< 140
80	< 225
100	< 260
125	< 320
160	< 516
200	< 700

36kV	
Rated current A	Power dissipation (W)
5	< 50
6,3	< 75
10	< 80
16	< 85
20	<90
25	< 90
32	< 135
40	< 180
50	< 220
63	< 260
80	< 220
100	< 230
125	< 300
160	< 500
200	< 700

Table – power dissipation

It should be ensured that the power dissipation does not exceed 50W when the fuse is operating at full transformer load current.

**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES

**Application Areas**
Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*
**Class**

Back-Up .

**Rated transient recovery voltage (rated TRV)**
Paragraph I<sub>1</sub> are defined in the table:

Rated voltage	Basic parameters		Derived values			
	Peak voltage <sup>a</sup>	Time coordinate	Time delay <sup>b</sup>	Voltage coordinate <sup>c</sup>	Time coordinate <sup>d</sup>	Rate of rise
$U_T$	$u_c$	$t_3$	$t_d$	$u'$	$t'$	$u_c/t_3$
kV	kV	$\mu$ s	$\mu$ s	kV	$\mu$ s	kV/ $\mu$ s
24	41	88	13,2	13,8	42,5	0,47
36	62	108	16,2	20,6	52	0,57

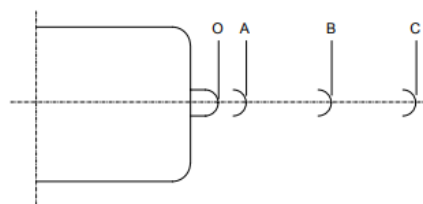
Table TRV

**Mechanical characteristics of strikers**

The mechanical characteristic of the strikers are given in Tab. :

Type	Energy	Mechanical characteristics					
		Values of		Actual travel		Minimum withstand force	Maximum duration of travel <sup>b</sup>
		Free travel (OA) <sup>a</sup>	Further travel during which energy shall be delivered (AB) <sup>a</sup>	Min. (OB) <sup>a</sup>	Max. (OC) <sup>a</sup>		
J	mm	mm	mm	mm	N	ms	
Medium	1 ± 0,5	4	16	20	40	20	50

Table- characteristic Strikes Mechanical characteristics



- OA Free travel – No energy output specified
- AB Further travel during which energy must be delivered
- OB Minimum actual travel
- OC Maximum actual travel

Fig. – varios stages of the striker travel

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**
Perimeter: *Global*

Staff Function: -

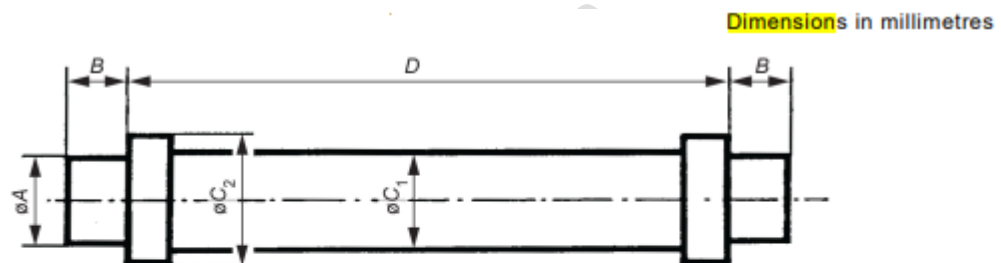
Service Function: -

Business Line: *Infrastructure & Networks*

The energy measurement shall be tested as prescribed in paragraph 8.3.2.5.2 of the standard IEC 60282-1.

**7.5 CONSTRUCTION CHARACTERISTICS**
**Dimensions**

The dimension of fuse-link shall be as indicated in table.



kV	ØA	B	ØC <sub>2</sub>	ØC <sub>1</sub> and C <sub>2</sub>	D <sub>-1</sub> <sup>0</sup>
			min.	max.	
24	45 ± 1	33 <sup>+2</sup> <sub>0</sub>	50	88	442
36					537

Table – Dimensions fuse-link (mm)

The fuse must have a signal indicating the firing side of the striker.

The striker shall be on the center-line of the fuse-link with diameter ≤ 20mm.

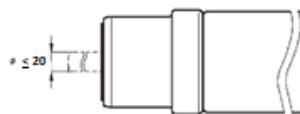


Fig. - Diameter striker

Particular care must be taken in the construction of the two conductive ends of the fuse-link which must be completely smooth, without any grooves, as shown in Figure below:

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**
Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*
**Fig. – Conductive ends of fuse-link**
**Identifying markings of fuse-links**

Identifying marking must be indelible and easily legible with the following information:

- Manufacturer's name or trade mark;
- Manufacturer's type designation;
- Type Code ENEL (only for fuses compared directly by Enel);
- Country code;
- Rated voltage (V);
- Rated current (A);
- Rated maximum breaking current;
- Rated minimum breaking current;
- Maximum application temperature 40°C;
- Class: Back-Up (the value of minimum breaking current);;
- Type of striker: medium;
- Location of the striker: on the Top;
- Manufacturing number;
- Manufacturing date;
- Reference to the IEC 60282-1 standard.

**7.6 TESTING**

The tests shall be carried out according to following paragraphs. Unless otherwise stated, tests are referred to IEC 60282-1 standard.

The tests specified in this section are shall be carried out under manufacturer responsibility.


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM VOLTAGE BACK-UP FUSES**
**Application Areas**Perimeter: *Global*

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Business Line: *Infrastructure & Networks*

Tests are divided in:

- Type tests
- Routine Tests.

**Type tests**

To obtain type-approval (TCA), the fuse-links must pass successfully the tests listed in table. Data, curves and results of all type tests shall be reported and documented in the TCA Dossier.

<b>TYPE TESTS</b>	<b>STANDARD 60282-1</b>
<b>Applying the common practices for all tests given in IEC 60282-1, paragraph 7.3.</b>	
Dielectric tests	7.4
Temperature-rise tests and power-dissipation measurement	7.5
Breaking tests	7.6
Tests for time-current characteristics	7.7
Test of strikers	8.3.2
Resistance at 20°	7.1
Tests for back-Up fuses for use in switch-fuse combination of IEC 62271-105	8.3.3

Table – Type tests for fuse-links

It must be ensured that fuses can be used on modules with voltage levels below 24kV and 36kV.

**Routine tests**

The list of routine test is indicated in Table:

<b>ROUTINE TEST</b>	<b>STANDARD 60282-1</b>
Visual check	
Dimensions	
Resistance at 20°	7.1
Striker test	8.3.2
Test of energy	8.3.2.5

Table - Routine tests

The resistance measurement must be within  $\pm 10\%$  of the manufacturer's specifications.

**Subject:** Global Infrastructure and Networks – GSCM008 - MEDIUM  
**VOLTAGE BACK-UP FUSES****Application Areas**Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

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**Sampling plan:**

Simple sampling plan Ordinary test and acceptable quality level 2.5%.

In order to define the number of samples to be taken from each lot, reference shall be made to general test level I.

**Documentation required in TCA Dossier**

Documentation to be included in the TCA:

- ✓ Pictures of fuse-links;
- ✓ Operation curves;
- ✓ Data sheet
- ✓ Dielectric test
- ✓ Cut-off currents
- ✓ Total clearing time
- ✓ Maximum breaking current  $I_1$
- ✓ High level of energy current  $I_2$
- ✓ Rated Minimum breaking current  $I_3$
- ✓ Test for time-current characteristics
- ✓ Power dissipation (at  $I_n$ )
- ✓ Power dissipation  $\leq 50W$
- ✓ Resistance of fuse-link
- ✓ Diameter of striker

**7.7 PACKAGING**




**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

**Subject: Global Infrastructure and Networks – GSCM008 - MEDIUM  
VOLTAGE BACK-UP FUSES**
**Application Areas**Perimeter: *Global*

Staff Function: -

Service Function: -

Business Line: *Infrastructure & Networks*

The fuses will be provided in packs of three in a packing box. Every single fuse must have a packing box; on each box must be clearly indicated:

- Name of the power distribution company (only for fuses compared directly by Enel);
- Name of the supplier;
- Product description;(Same information as for fuse mark)
- Code assigned by the supplier;
- Type code and country code (If fuses are bought from Enel);
- Date of construction (month/year)
- Gross weight.
- Purchase order number (If fuses are bought from Enel) .

In each box must be present the Instruction Manual for the installation and removal of the fuse-link with the relevant prescriptions/indications (in the language of the country of supply). The instructions will include the need to change the three fuses in each fusion of one of them.

The markings on the fuse must be in the target language of the material.

### 7.8 DISPOSAL

The manufacturer shall provide information concerning the disposal of fuses with due regard to environmental considerations.

### 7.9 MANUAL

Each fuse must be accompanied by a fuse manual in the language in which the material will be supplied.

## FORM FOR SPECIFIC DEVIATIONS

This form is used for evaluating the offer in the tender process and also for the technical data validation during the homologation, certification and approval procedure.

Flag here the use of this form:

 Offer in the Tender

 Technical Data Validation

This document has to be used for checking the compliance of the switch-disconnector during the



**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

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tender process.

Deviations are in principle not acceptable.

Possible deviations have to be clearly reported in the following form for specific deviations.

The acceptance of this document for the next tender stage does not mean the acceptance of any deviation to the technical specification if such deviations are not clearly reported in the form for specific deviations.

**FORM FOR SPECIFIC DEVIATIONS**

Each specific deviation shall be reported and explained here below (to be indicated with a progressive number).

NO DEVIATIONS

(to flag in case of no deviations from the Global Standard)

**DEVIATION 1**

[To indicate possible Deviation

.....  
.....  
.....  
.....]

**DEVIATION 2**

[To indicate possible Deviation

.....  
.....  
.....  
.....]

**DEVIATION ...**

[To indicate possible Deviation



**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

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.....  
.....  
.....  
.....]

Date [.....]

Sign [.....]

BOLZA


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

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**CHECK LIST**

GSCM008 - CHECK LIST			
ITEM	DENOMINATION		REQUESTED
1	Supplier		
2	Manufacturer		
3	Country of manufacture		
4	Ordering number		
5	Manufacturing and testing standards		IEC 60282-1
6	DESIGNATION		
7	Rated Voltage	Kv	
8	Operating Voltage		
9	Rated Current A	A	
10	Rated current In A	A	
11	Maximum breaking capacity I1	KA	
12	Maximum breaking capacity I2	KA	
13	Maximum breaking capacity I3	KA	
14	Power dissipation	W	
15	Resistance m-ohm at 20°	m-ohm	
16	time current required curve	required	
17	current limiting curve kA required	required	
18	Back-up class		back-up
19	Frequency 50 -60Hz		50- 60 Hz
20	material porcelain enamelled		
21	Colour Brown		
22	PERCUTOR		
23	Type		
24	Energy (J)		
25	Clearance		
26	total distance		
27	Travel time		
28	DIMENSIONS		
29	Drum diameter (mm)		
30	B: Drum length (mm)		
31	C: Cylinder diameter (mm)		
32	D: Cylinder length (mm)		
33	E: Firing pin length (mm)		
34	Q: Firing pin diameter		
35	Please attach the technical catalogue of the reference number required for the offered part number		
36	Class: Total range or backup Total range		
<b>TECHNICAL EVALUATION RESULT</b>			


**Technical Specification code: MAT-E&C-NC-2021-0052-EGIN**

Version no. 1 dated 01/03/2022

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**TYPE CODE**

TYPE CODE	DESCRIPTION	EDESUR	ENEL DISTRIBUÇÃO RIO	ENEL DISTRIBUÇÃO CEARÁ	ENEL DISTRIBUÇÃO GOIÁS	ENEL DISTRIBUÇÃO SÃO PAULO	ENEL DISTRIBUÇION CHILE	ENEL DISTRIBUÇION COLOMBIA	E-DISTRIBUZIONE ITALIA	ENEL DISTRIBUÇION PERU'	E- DISTRIBUTIE	EEDISTRIBUCION R.D. SLU
											BANATA	
											DOBROGEA	
											MUNTENIA	
GSCM008/1	FUSE-LINK 24KV – 5 A - Back-Up fus											
GSCM008/2	FUSE-LINK 24KV – 6,3 A - Back-Up fuse											
GSCM008/3	FUSE-LINK 24KV - 10 A - Back-Up fuse							170894				
GSCM008/4	FUSE-LINK 24KV - 16 A - Back-Up fuse							170883				
GSCM008/5	FUSE-LINK 24KV – 20 A - Back-Up fuse							170884				
GSCM008/6	FUSE-LINK 24KV - 25 A - Back-Up fuse		172541					170885			172541	
GSCM008/7	FUSE-LINK 24KV - 32 A - Back-Up fuse							170897				
GSCM008/8	FUSE-LINK 24KV - 40 A - Back-Up fuse		172542					170886			172542	
GSCM008/9	FUSE-LINK 24KV - 50 A - Back-Up fuse							170898				
GSCM008/10	FUSE-LINK 24KV - 63 A - Back-Up fuse		172544					170899			172544	
GSCM008/11	FUSE-LINK 24KV - 80 A - Back-Up fuse							170895				
GSCM008/12	FUSE-LINK 24KV - 100 A - Back-Up fuse		172546					170896			172546	
GSCM008/13	FUSE-LINK 24KV - 125 A - Back-Up fuse											
GSCM008/14	FUSE-LINK 24KV - 140 A - Back-Up fuse											

