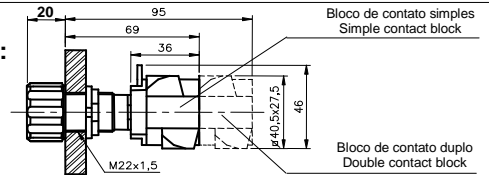


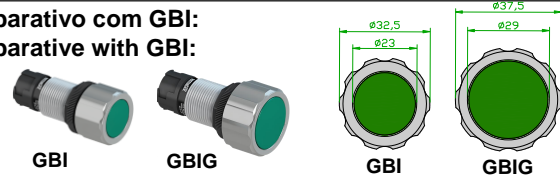
Produto : **SGEX22GBIG**  
Product



Dimensões (mm):  
Dimensions (mm):



Comparativo com GBI:  
Comparative with GBI:



## Dados Técnicos:

<b>Tipo de proteção</b>	Ex "d" – à prova de explosão Ex "tb" – contra Ignição de poeira
<b>Marcação</b>	Ex d IIC Gb / Ex tb IIIC Db

**Certificado de conformidade**



CEPEL : CEPEL 97.0007U

**Componente Ex:** Não é destinado a ser utilizado de forma independente e requer considerações adicionais quando incorporado a equipamentos ou sistemas elétricos para utilização em atmosfera explosiva.

**Área de Aplicação** Zona 1, Zona 2, Zona 21 e Zona 22 conforme ABNT NBR IEC 60079-10 e ABNT NBR IEC 61241-10.

**Grau de Proteção** IP66W (W: 200h névoa salina) conforme ABNT NBR IEC 60529

**Aprovação:** Conforme Normas Brasileiras ABNT

Normas	ABNT	IEC
<b>Requisitos Gerais</b>	NBR IEC 60079-0	IEC 60079-0
<b>À prova de explosão</b>	NBR IEC 60079-1	IEC 60079-1
<b>Contra Ignição de poeira</b>	NBR IEC 60079-31	IEC 60079-31

**Tipo de montagem** montagem em invólucros Ex "d" ou Ex "tb", com furações M22 x 1,5.

**Fixação** Topo (espessura mínima de 10mm para invólucros Ex "d").

**Tensão nominal** Ui 500V

**Corrente nominal** Ith 10A

### Capacidade de manobra para AC 15

220V	10 A
380V	7,5A
500V	5,0A

### Capacidade de manobra para DC 13

24V	2,75A
60V	1,10A
110V	0,55A
220V	0,27A

conforme IEC 60947

**Terminais** 2 x 2,5mm<sup>2</sup>

Peso do Botão +	1 Bloco	com 1 contato 0,102kg. com 2 contatos 0,110kg.
	2 Blocos	com 3 contatos 0,132kg. com 4 contatos 0,140kg.

## Technical Data:

<b>Type of protection</b>	Ex "d" - Flameproof Ex "tb" – dust ignition protection
<b>Marking</b>	Ex d IIC Gb / Ex tb IIIC Db

**Certificate of conformity**



CEPEL : CEPEL 97.0007U

**Ex Component:** It's not intended to be used alone and requires additional consideration when incorporated into electrical apparatus or systems for use in explosive gas atmospheres.

**Area of Application** Zone 1, Zone 2, Zone 21, Zone 22 according to NBR IEC 60079-10 and ABNT NBR IEC 61241-10.

**Ingress Protection** IP66W (W: 200h salt spray) according to ABNT NBR IEC 60529

**Approvals:** According to ABNT Brazilian Standards

Standards	ABNT	IEC
<b>General requirements</b>	NBR IEC 60079-0	IEC 60079-0
<b>Flameproof</b>	NBR IEC 60079-1	IEC 60079-1
<b>Dust ignition protection</b>	NBR IEC 60079-31	IEC 60079-31

**Mounting type** for mounting in Ex "d" or Ex "tb" enclosures (pre-drilled M22 x1,5).

**Fixing** On cover (min. thickness of 10mm for Ex "d" enclosures).

**Rated voltage** Ui 500V

**Rated current** Ith 10A

### Breaking capacity for AC 15

220V	10 A
380V	7,5A
500V	5,0A

### Breaking capacity for DC 13

24V	2,75A
60V	1,10A
110V	0,55A
220V	0,27A

according to IEC 60947

**Terminals** 2 x 2,5mm<sup>2</sup>

Weight of Button +	1 Block	with 1 contact 0,102kg. with 2 contacts 0,110kg.
	2 Blocks	with 3 contacts 0,132kg. with 4 contacts 0,140kg.

SISTEMA DE CODIFICAÇÃO = SG-EX22-GBIG **A** + **B**

ORDERING CODE = SG-EX22-GBIG **A** + **B**

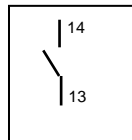
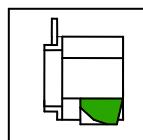
# GBIG



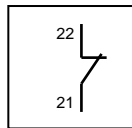
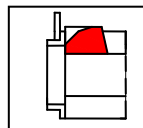
CORES = **A**  
COLORS = **A**



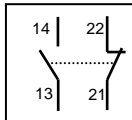
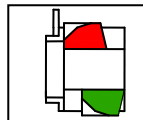
BLOCOS DE CONTATOS  
CONTACT BLOCKS



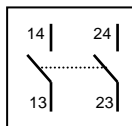
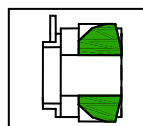
**10**



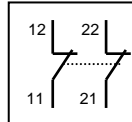
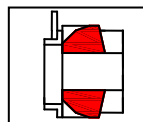
**01**



**11**



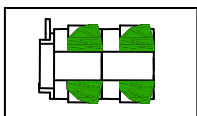
**20**



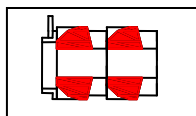
**02**

## BLOCOS DE CONTATOS ESPECIAIS SPECIAL CONTACT BLOCKS

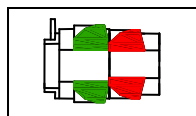
### BLOCOS DE CONTATOS DUPLOS DOUBLE CONTACT BLOCKS



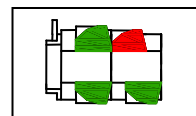
**40**



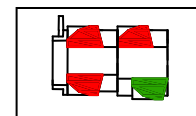
**04**



**22**



**31**

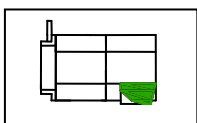


**13**

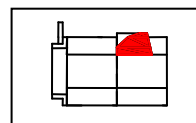
### BLOCOS DE CONTATOS COM RETENÇÃO CONTACT BLOCKS WITH RETENTION

FUNÇÃO: Os contatos são acionados ao apertar o botão. Os contatos voltam à sua posição normal quando o botão for apertado novamente.

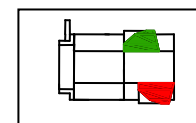
FUNCTION: Push-On Push-Off.



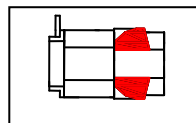
**10-R**



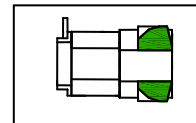
**01-R**



**11-R**



**02-R**



**20-R**

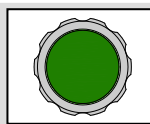
### EXEMPLOS DE CODIFICAÇÃO CODIFICATION EXAMPLE

Exemplo 1:  
Example 1:



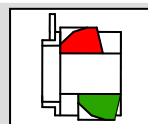
**GBIG**

+



**VD**

+



**11**

=

**SG-EX22-GBIGVD11**

Ou na forma simplificada use:  
Or simplified:

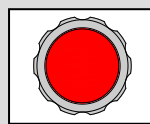
**GBIGVD11**

Exemplo 2:  
Example 2:



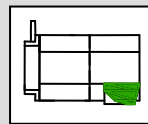
**GBIG**

+



**VM**

+



**10-R**

=

**SG-EX22-GBIGVM10-R**

Ou na forma simplificada use:  
Or simplified:

**GBIGVM10-R**

# ACESSÓRIOS / ACCESSORIES

## Plaqueta de identificação Identification plate

Código/Code: S2-PL2 +

Área para inscrição:  
Printable area:

00	<input type="text" value="LIGA"/>	05	<input type="text" value="STOP"/>
01	<input type="text" value="DESLIGA"/>	06	<input type="text" value="RESET"/>
02	<input type="text" value="ABRE"/>	07	<input type="text" value="OPEN"/>
03	<input type="text" value="FECHA"/>	08	<input type="text" value="CLOSE"/>
04	<input type="text" value="START"/>	09	<input type="text"/>

## Dimensões Dimensions

