

# Product data sheet

Specifications



## Switch disconnecter fuse, TeSys GS, 4P, 250A, fuse type DIN, size 1

GS2N4

### Main

Range	TeSys
Product name	TeSys GS
Device short name	GS2N
Product or component type	Switch-disconnector-fuse
Poles description	4P
Protected poles description	4t
Contacts type and composition	4 NO
[I <sub>th</sub> ] conventional free air thermal current	250 A (at 40 °C)
[I <sub>e</sub> ] rated operational current	200 A at 440 V 2 poles in series per phase DC-23A 200 A at 440 V 2 poles in series per phase DC-23B 250 A at 400 V AC-23A 250 A at 400 V AC-23B 250 A at 500 V AC-23A 250 A at 500 V AC-23B 250 A at 690 V AC-23A 250 A at 690 V AC-23B
Fuse type	DIN
Fuse size	1
Network type	DC AC
Network frequency	50/60 Hz

### Complementary

Type of operating handle	External frontal External right side
Mounting support	Plate
[U <sub>i</sub> ] rated insulation voltage	750 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
Rated operational power in W	132 kW at 400 V 160 kW at 500 V 220 kW at 690 V
Making capacity	2500 A at 400 V AC-23B
Breaking capacity	2000 A at 400 V (AC-23B)
Short-circuit withstand	32.5 kA

<b>Mechanical durability</b>	10000 cycles
<b>Electrical durability</b>	1000 cycles AC-23A 1000 cycles AC-23B 200 cycles DC-23A 200 cycles DC-23B
<b>Connections - terminals</b>	Power circuit: bars32 mm <sup>2</sup> Power circuit: lugs-ring terminals95...240 mm <sup>2</sup>
<b>[Icm] rated short-circuit making capacity</b>	100 kA at 400 V with protection by gG fuses
<b>Tightening torque</b>	Power circuit: 25 N.m

## Environment

<b>Standards</b>	IEC 60947-3
<b>Product certifications</b>	CE
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 (with terminal cover)
<b>Ambient air temperature for operation</b>	-20...70 °C
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	850 °C fuse cover conforming to IEC 60695-2-1 960 °C body conforming to IEC 60695-2-1
<b>Height</b>	195 mm
<b>Width</b>	294 mm
<b>Depth</b>	146 mm
<b>Net weight</b>	4.5 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	20.0 cm
<b>Package 1 Width</b>	21.0 cm
<b>Package 1 Length</b>	34.0 cm
<b>Package 1 Weight</b>	4.571 kg
<b>Unit Type of Package 2</b>	S06
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	75.0 cm
<b>Package 2 Width</b>	60.0 cm
<b>Package 2 Length</b>	80.0 cm
<b>Package 2 Weight</b>	58.27 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes

<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Styrene, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

<b>Warranty</b>	18 months
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## Recommended replacement(s)