



ⓘ Discontinued

### Main

Range	TeSys
Product name	TeSys GS
Device short name	GS1 F
Product or component type	Switch-disconnector-fuse
Device application	Protection
Poles description	3P
Protected poles description	3t
Contacts type and composition	3 NO
[Ith] conventional free air thermal current	50 A (at 40 °C)
[Ie] rated operational current	40 A at 440 V 2 poles in series per phase DC-23A 40 A at 440 V 2 poles in series per phase DC-23B 50 A at 400 V AC-23A 50 A at 400 V AC-23B 50 A at 500 V AC-23A 50 A at 500 V AC-23B 50 A at 690 V AC-23A 50 A at 690 V AC-23B
Fuse type	NFC
Fuse size	14 x 51 mm
Network type	DC AC
Network frequency	50/60 Hz

### Complementary

Type of operating handle	Direct right side
Mounting support	Plate
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
Rated operational power in W	25 kW at 400 V 33 kW at 500 V 45 kW at 690 V
Making capacity	500 A at 400 V AC-23B
[Icm] rated short-circuit making capacity	100 kA at 400 V with protection by gG fuses

Breaking capacity	400 A at 400 V (AC-23B)
Short-circuit withstand	7.6 kA
Mechanical durability	10000 cycles
Electrical durability	1500 cycles AC-23A 1500 cycles AC-23B 300 cycles DC-23A 300 cycles DC-23B
Connections - terminals	Power circuit: lugs-ring terminals6...25 mm <sup>2</sup> flexible
Tightening torque	Power circuit: 3.2 N.m - on lugs-ring terminals

## Environment

Standards	IEC 60947-3
Product certifications	CE
Protective treatment	TH
IP degree of protection	IP20 conforming to IEC 60529 (with terminal cover)
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	850 °C fuse cover conforming to IEC 60695-2-1 960 °C body conforming to IEC 60695-2-1
Height	118 mm
Width	118 mm
Depth	87 mm
Product weight	0.8 kg

## Offer Sustainability

REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
----------	-----------

## GS1FD3 is replaced by:



### switch-disconnector fuses GS2F3

TeSys GS - switch-disconnector-fuse - 3 P - 50A - NFC 14 x 51 mm

Qty 1

Reason for Substitution: End of life | Substitution date: 29 April 2009