



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
[I _{th}] conventional free air thermal current	50 A at 40 °C
[I _e] rated operational current	40 A at 440 V 2 poles in series per phase on DC-23A 40 A at 440 V 2 poles in series per phase on DC-23B 50 A at 400 V on AC-23A 50 A at 400 V on AC-23B 50 A at 500 V on AC-23A 50 A at 500 V on AC-23B 50 A at 690 V on AC-23A 50 A at 690 V on AC-23B
Fuse type	NFC
Fuse size	14 x 51 mm
Network type	AC DC
Network frequency	50/60 Hz

Complementary

Type of operating handle	Direct right side
Mounting support	Plate
[U _i] rated insulation voltage	750 V AC 50/60 Hz
[U _{imp}] 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 on 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 on AC-23B
Short-circuit withstand	7.6 kA
Mechanical durability	10000 cycles
Electrical durability	1500 cycles on AC-23A 1500 cycles on AC-23B 300 cycles on DC-23A 300 cycles on DC-23B
Connections - terminals	Power circuit : lugs-ring terminals cable 6...25 mm ² - cable stiffness: 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 with terminal cover conforming to IEC 60529
Ambient air temperature for operation	-20...70 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C body conforming to IEC 60695-2-1 850 °C fuse cover conforming to IEC 60695-2-1
Height	118 mm
Width	118 mm
Depth	87 mm
Product weight	0.8 kg

Contractual warranty

Warranty period	18 months
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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