

GS1FD3

Switch disconnecter fuse, TeSys GS, 3P, 3NO, 50A, 4.6W, fuse type NFC, size 14x51mm



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 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
[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
Breaking capacity	4.6 W
Making capacity	500 A at 400 V AC-23B
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 terminals 6...25 mm ² flexible
[I _{cm}] rated short-circuit making capacity	100 kA at 400 V with protection by gG fuses
Tightening torque	Power circuit: 3.2 N.m - on lugs-ring terminals

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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
Net weight	0.8 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	12.7 cm
Package 1 Length	17.8 cm
Package 1 Weight	929.0 g
Unit Type of Package 2	S06
Number of Units in Package 2	60
Package 2 Height	75.0 cm
Package 2 Width	60.0 cm
Package 2 Length	80.0 cm
Package 2 Weight	68.74 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
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
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