

Product datasheet

Specifications



Switch disconnecter fuse, TeSys GS, 3P, 160A, fuse type BS, size B1, B2

GS2LB3

Main

Range	TeSys
Product name	TeSys GS
Device short name	GS2L
Product or component type	Switch-disconnector-fuse
Poles description	3P
Protected poles description	3t
Contacts type and composition	3 NO
[I _{th}] conventional free air thermal current	160 A (at 40 °C)
[I _e] rated operational current	125 A at 440 V 2 poles in series per phase DC-23A 125 A at 440 V 2 poles in series per phase DC-23B 125 A at 690 V AC-23A 125 A at 690 V AC-23B 160 A at 400 V AC-23A 160 A at 400 V AC-23B 160 A at 500 V AC-23A 160 A at 500 V AC-23B
Fuse type	BS
Fuse size	B2 B1
Network type	DC AC
Network frequency	50/60 Hz

Complementary

Type of operating handle	External right side External frontal
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	80 kW at 400 V 110 kW at 500 V 110 kW at 690 V
Making capacity	1600 A at 400 V AC-23B
Breaking capacity	1280 A at 400 V (AC-23B)
Short-circuit withstand	20 kA

Mechanical durability	10000 cycles
Electrical durability	1000 cycles AC-23A 1000 cycles AC-23B 200 cycles DC-23A 200 cycles DC-23B
Connections - terminals	Power circuit: bars20 mm ² Power circuit: lugs-ring terminals50...95 mm ²
[Icm] rated short-circuit making capacity	80 kA at 400 V with protection by gG fuses
Tightening torque	Power circuit: 12 N.m

Environment

Standards	IEC 60947-3
Product certifications	CE
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	162 mm
Width	190 mm
Depth	136.5 mm
Product weight	1.8 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	17.0 cm
Package 1 Width	17.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	1.8 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

Contractual warranty

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

Recommended replacement(s)