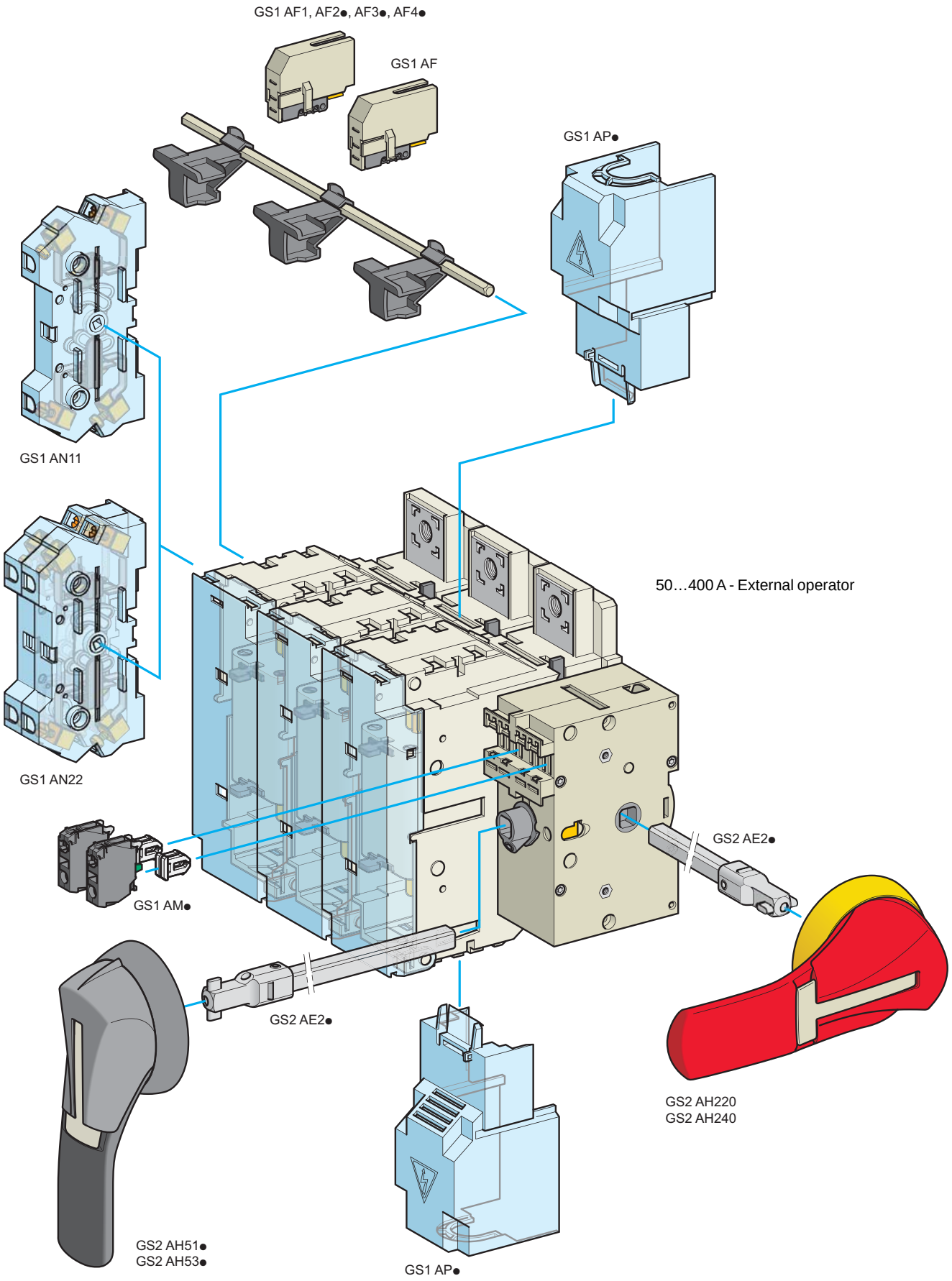

GS1 AF1, AF2●, AF3●, AF4●
GS1 AF
GS1 AP●
GS1 AN11
GS1 AN22
50…400 A - External operator
GS1 AM●
GS2 AE2●
GS2 AE2●
GS2 AH220
GS2 AH240
GS2 AH51●
GS2 AH53●
GS1 AP●

# Protection components

## TeSys GS switch-disconnector-fuses, 32 to 1250 A, for use with NF C or DIN fuses

532783



*GS1 DD3*

568664



*GS2 F3*

568665



*GS2 N3*

568666



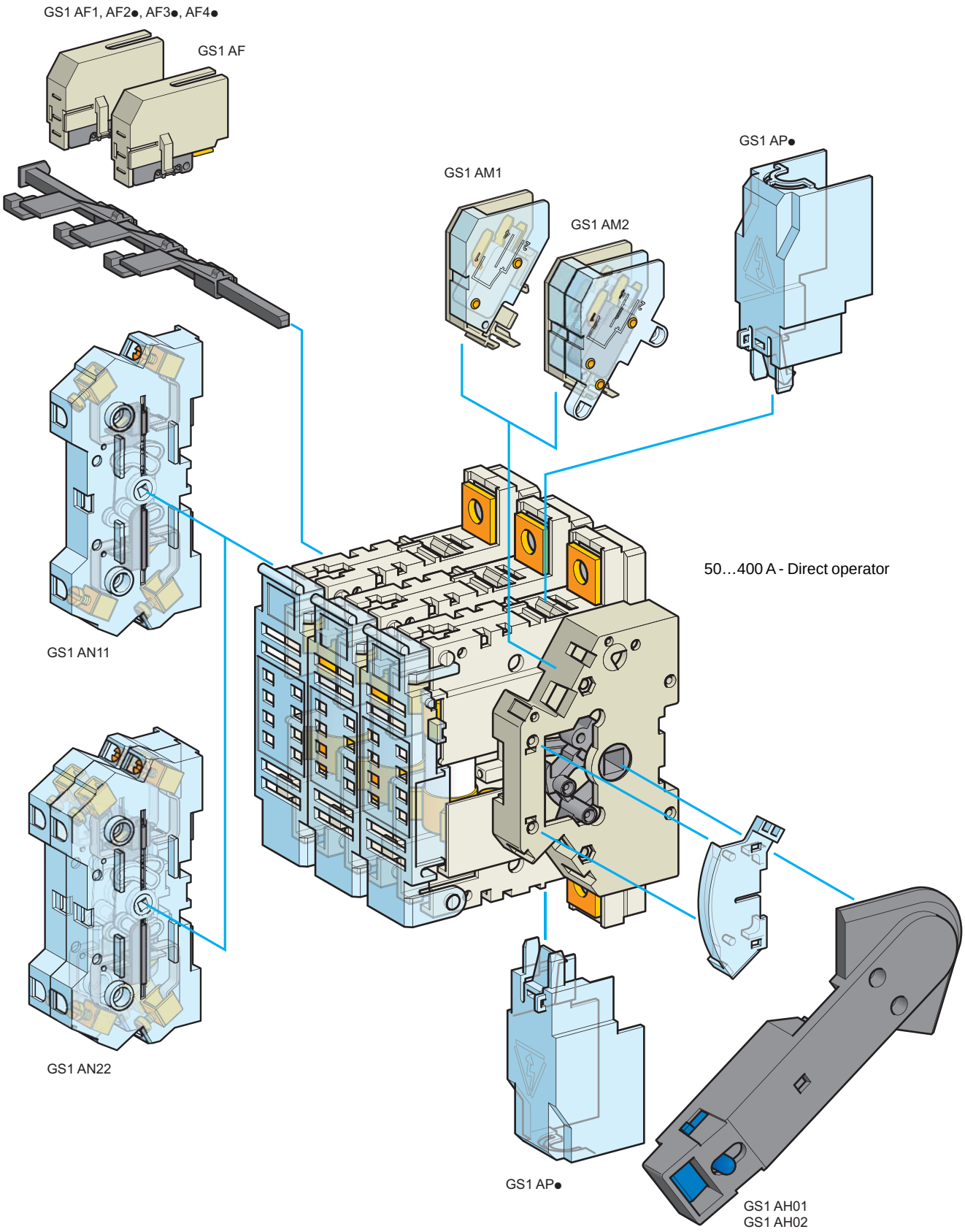
*GS2 L4*

### Switch-disconnector-fuse switch bodies for use with NF C or DIN fuses

| Switch rating | Fuse size | Number of poles | Reference | Weight |
|---|---|---|---|---|
| A | | | | kg |
| **For external front-mounted and RH side-mounted operators** | | | | |
| **32** | 10 x 38 | 3 | **GS1 DD3** | 0.460 |
| | | 3 + Nc *(1)* | **GS1 DD4** | 0.500 |
| **50** | 14 x 51 | 3 | **GS2 F3** | 0.800 |
| | | 4 | **GS2 F4** | 1.000 |
| **63** | Size 00C *(2)* | 3 | **GS2 G3** | 1.000 |
| | | 4 | **GS2 G4** | 1.300 |
| **100** | 22 x 58 | 3 | **GS2 J3** | 1.500 |
| | | 4 | **GS2 J4** | 2.000 |
| **125** | 22 x 58 | 3 | **GS2 K3** | 1.500 |
| | | 4 | **GS2 K4** | 2.000 |
| | Size 00 | 3 | **GS2 KK3** | 1.500 |
| | | 4 | **GS2 KK4** | 2.000 |
| **160** | Size 00 | 3 | **GS2 LL3** | 1.800 |
| | | 4 | **GS2 LL4** | 2.300 |
| | Size 0 | 3 | **GS2 L3** | 1.800 |
| | | 4 | **GS2 L4** | 2.300 |
| **250** | Size 1 | 3 | **GS2 N3** | 3.200 |
| | | 4 | **GS2 N4** | 4.500 |
| **400** | Size 2 | 3 | **GS2 QQ3** | 4.800 |
| | | 4 | **GS2 QQ4** | 6.100 |
| **630** | Size 3 | 3 | **GS2 S3** | 16.000 |
| | | 4 | **GS2 S4** | 20.000 |
| **1250** | Size 4 | 3 | **GS2 V3** | 25.000 |
| | | 4 | **GS2 V4** | 30.000 |
| **For external LH side-mounted operators** | | | | |
| **32** | 10 x 38 | 3 | **GS1 DD3** | 0.460 |
| | | 3 + Nc *(1)* | **GS1 DD4** | 0.500 |
| **50** | 14 x 51 | 3 | **GS2 FG3** | 0.800 |
| | | 4 | **GS2 FG4** | 1.000 |
| **63** | Size 00C *(2)* | 3 | **GS2 GG3** | 1.000 |
| | | 4 | **GS2 GG4** | 1.300 |
| **100** | 22 x 58 | 3 | **GS2 JG3** | 1.500 |
| | | 4 | **GS2 JG4** | 2.000 |
| **125** | 22 x 58 | 3 | **GS2 KG3** | 1.500 |
| | | 4 | **GS2 KG4** | 2.000 |
| | Size 00 | 3 | **GS2 KKG3** | 1.500 |
| | | 4 | **GS2 KKG4** | 2.000 |
| **160** | Size 00 | 3 | **GS2 LLG3** | 1.800 |
| | | 4 | **GS2 LLG4** | 2.300 |
| | Size 0 | 3 | **GS2 LG3** | 1.800 |
| | | 4 | **GS2 LG4** | 2.300 |
| **250** | Size 1 | 3 | **GS2 NG3** | 3.200 |
| | | 4 | **GS2 NG4** | 4.500 |
| **400** | Size 2 | 3 | **GS2 QQG3** | 4.800 |
| | | 4 | **GS2 QQG4** | 6.100 |
| **630** | Size 3 | 3 | **GS2 SG3** | 16.000 |
| | | 4 | **GS2 SG4** | 20.000 |
| **1250** | Size 4 | 3 | **GS2 VG3** | 25.000 |
| | | 4 | **GS2 VG4** | 30.000 |

*1) Nc = Switched neutral.*
*2) Compact fuses for German market.*

General : pages 24112/2 and 24112/3
Characteristics : pages 24113/2 to 24113/5
Dimensions : pages 24115/2 to 24115/6
Schemes : page 24115/7


GS1 AF1, AF2●, AF3●, AF4●
GS1 AF
GS1 AM1
GS1 AM2
GS1 AP●
GS1 AN11
50…400 A - Direct operator
GS1 AN22
GS1 AP●
GS1 AH01
GS1 AH02

# Protection components

## TeSys GS switch-disconnector-fuses, 32 to 1250 A, for use with NF C or DIN fuses

568667



*GS1 JD3*

510761



*GS2 S3*
*with handle*
*GS2 AH●50 or*
*GS2 AH●60*

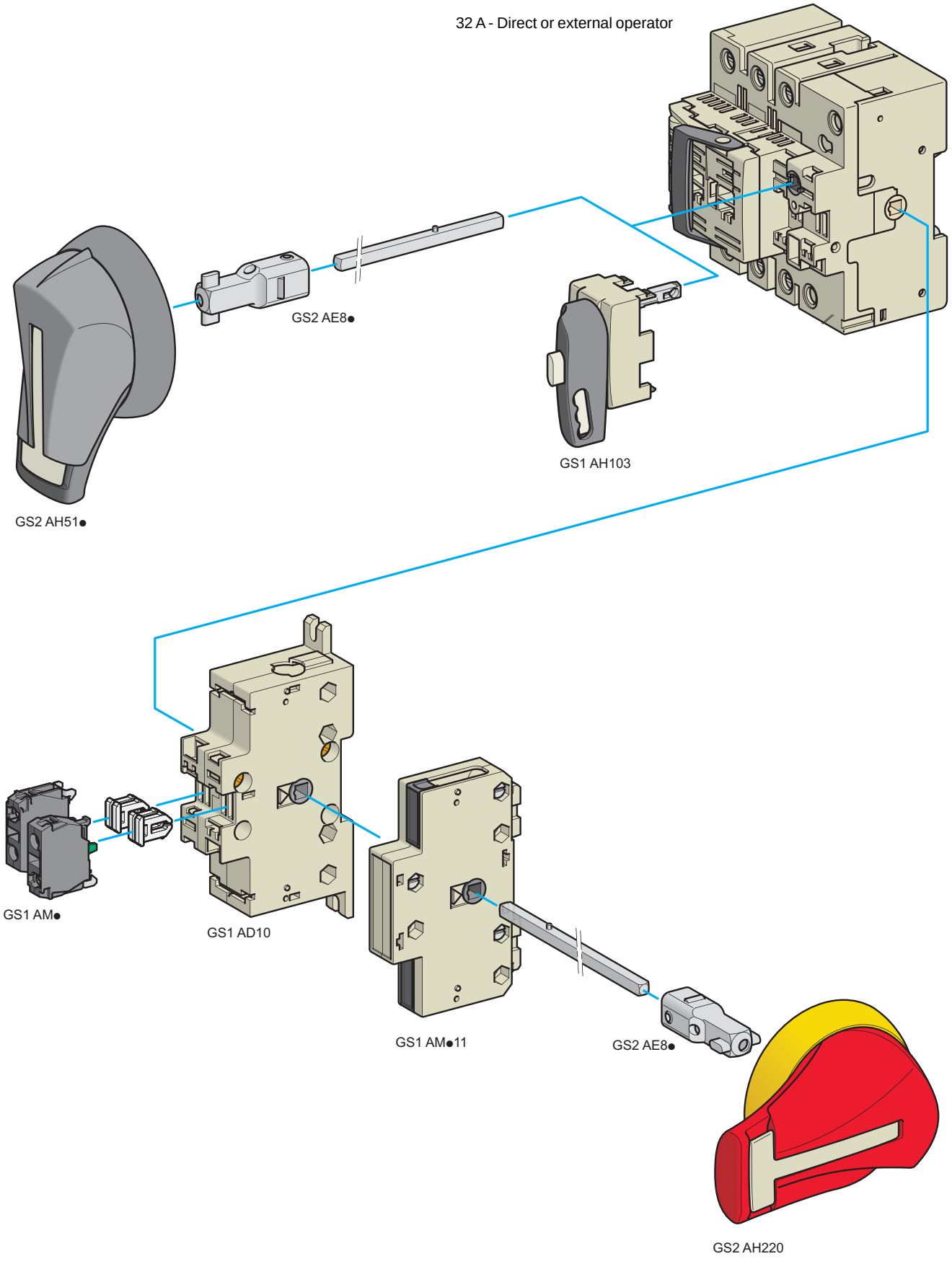
### Switch-disconnector-fuse switch bodies for use with NF C or DIN fuses

| Switch rating | Fuse size | Type of operator | Number of poles | Reference | Weight |
|---|---|---|---|---|---|
| A | | | | | kg |
| **For direct operator** | | | | | |
| **32** | 10 x 38 | Front | 3 | **GS1 DD3** | 0.460 |
| | | | 3 + Nc *(1)* | **GS1 DD4** | 0.500 |
| **50** | 14 x 51 | RH side | 3 | **GS1 FD3** | 0.800 |
| | | | 4 | **GS1 FD4** | 1.000 |
| **63** | Size 00C *(2)* | RH side | 3 | **GS1 GD3** | 1.000 |
| | | | 4 | **GS1 GD4** | 1.300 |
| **100** | 22 x 58 | RH side | 3 | **GS1 JD3** | 1.500 |
| | | | 4 | **GS1 JD4** | 2.000 |
| **125** | 22 x 58 | RH side | 3 | **GS1 KD3** | 1.500 |
| | | | 4 | **GS1 KD4** | 2.000 |
| | Size 00 | RH side | 3 | **GS1 KKD3** | 1.500 |
| | | | 4 | **GS1 KKD4** | 2.000 |
| **160** | Size 00 | RH side | 3 | **GS1 LLD3** | 1.800 |
| | | | 4 | **GS1 LLD4** | 2.300 |
| | Size 0 | RH side | 3 | **GS1 LD3** | 1.800 |
| | | | 4 | **GS1 LD4** | 2.300 |
| **250** | Size 1 | RH side | 3 | **GS1 ND3** | 3.200 |
| | | | 4 | **GS1 ND4** | 4.500 |
| **400** | Size 2 | RH side | 3 | **GS1 QQD3** | 4.800 |
| | | | 4 | **GS1 QQD4** | 6.100 |
| **630** | Size 3 | Front | 3 | **GS2 S3** | 16.000 |
| | | | 4 | **GS2 S4** | 20.000 |
| **1250** | Size 4 | Front | 3 | **GS2 V3** | 25.000 |
| | | | 4 | **GS2 V4** | 30.000 |

*1) Nc = Switched neutral.*
*2) Compact fuses for German market.*

General : pages 24112/2 and 24112/3
Characteristics : pages 24113/2 to 24113/5
Dimensions : pages 24115/2 to 24115/6
Schemes : page 24115/7

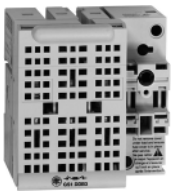
32 A - Direct or external operator



# Protection components

## TeSys GS switch-disconnector-fuses, 32 to 1250 A, for use with BS fuses

510961



*GS1 DDB3*

510967



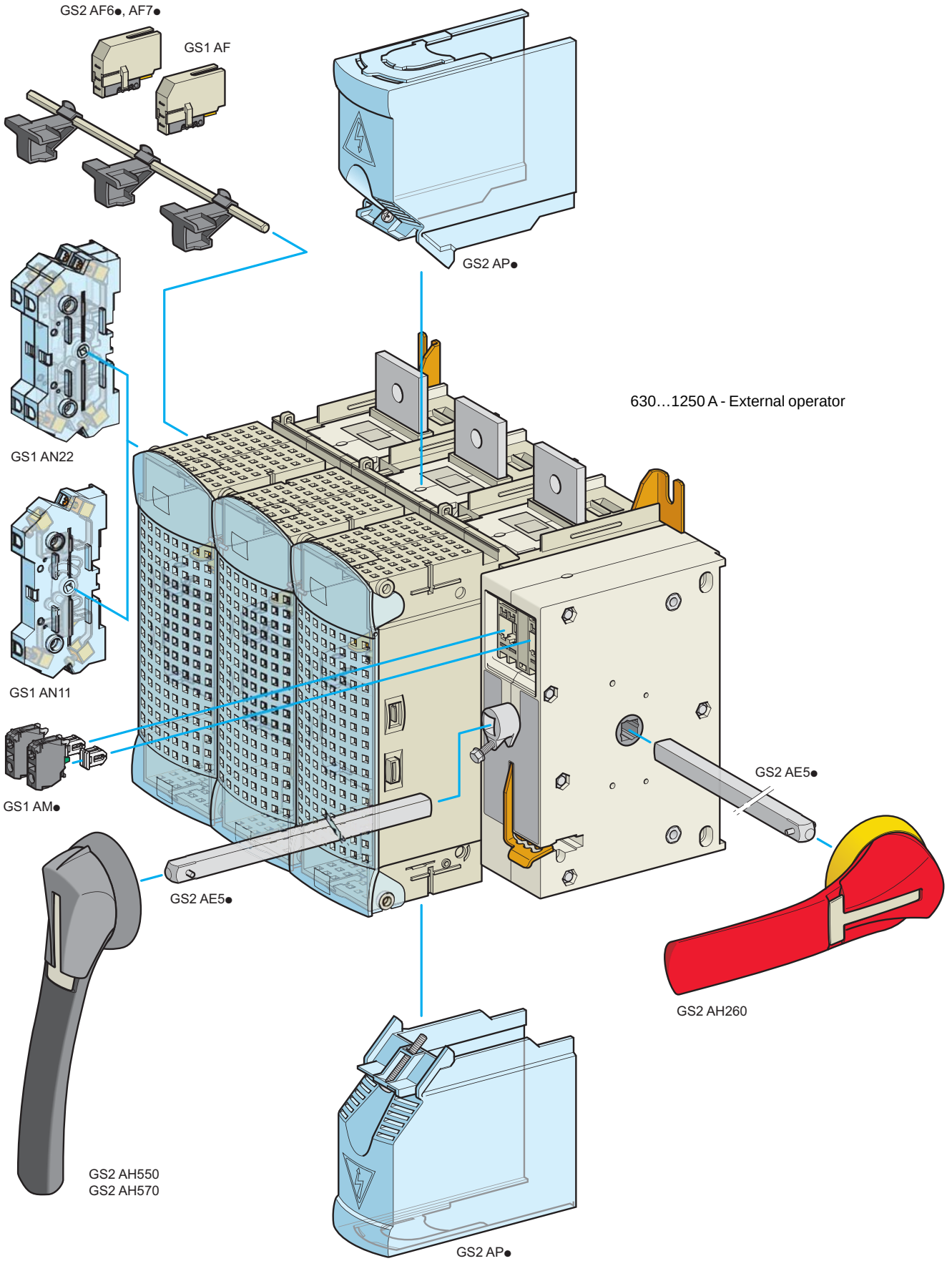
*GS2 GB3*

### Switch-disconnector-fuse switch bodies for use with BS fuses

| Switch rating | Fuse size | Number of poles | Reference | Weight |
|---|---|---|---|---|
| **A** | | | | **kg** |
| **For external front-mounted and RH or LH side-mounted operator** | | | | |
| **For direct front-mounted operator** | | | | |
| **32** | A1 | 3 | **GS1 DDB3** | 0.500 |
| | | 3 + Nc *(1)* | **GS1 DDB4** | 0.540 |
| **For external front-mounted and RH side-mounted operators** *(2)* | | | | |
| **32** | A1 | 3 | **GS2 DB3** | 0.800 |
| | | 4 | **GS2 DB4** | 1.000 |
| **63** | A2-A3 | 3 | **GS2 GB3** | 1.000 |
| | | 4 | **GS2 GB4** | 1.300 |
| **100** | A4 Ø ≤ 31 mm | 3 | **GS2 JB3** | 1.500 |
| | | 4 | **GS2 JB4** | 2.000 |
| **160** | A4 | 3 | **GS2 LLB3** | 1.800 |
| | | 4 | **GS2 LLB4** | 2.300 |
| | B1-B2 | 3 | **GS2 LB3** | 1.800 |
| | | 4 | **GS2 LB4** | 2.300 |
| **200** | B1-B2 | 3 | **GS2 MMB3** | 3.200 |
| | | 4 | **GS2 MMB4** | 4.500 |
| **250** | B1…B3 | 3 | **GS2 NB3** | 3.200 |
| | | 4 | **GS2 NB4** | 4.500 |
| **315** | B1…B3 | 3 | **GS2 PPB3** | 4.800 |
| | | 4 | **GS2 PPB4** | 6.100 |
| **400** | B1…B4 | 3 | **GS2 QQB3** | 4.800 |
| | | 4 | **GS2 QQB4** | 6.100 |
| **630** | C 1-C2 | 3 | **GS2 SB3** *(2)* | 16.000 |
| | | 4 | **GS2 SB4** *(2)* | 20.000 |
| **800** | C 1…C3 | 3 | **GS2 TB3** *(2)* | 17.000 |
| | | 4 | **GS2 TB4** *(2)* | 21.500 |
| **1250** | D1 | 3 | **GS2 VB3** *(2)* | 25.000 |
| | | 4 | **GS2 VB4** *(2)* | 30.000 |

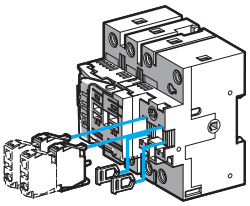
*(1) Nc: switched neutral.*
*(2) 630, 800 and 1250 A switch-disconnector-fuses can also be fitted with a direct front-mounted operator.*

General : pages 24112/2 and 24112/3
Characteristics : pages 24113/2 to 24113/5
Dimensions : pages 24115/2 to 24115/6
Schemes : page 24115/7


GS2 AF6●, AF7●
GS1 AF
GS2 AP●
GS1 AN22
630…1250 A - External operator
GS1 AN11
GS1 AM●
GS2 AE5●
GS2 AE5●
GS2 AH260
GS2 AH550
GS2 AH570
GS2 AP●

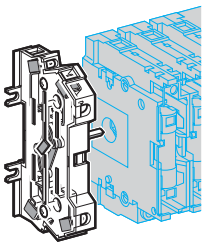
# Protection components
## TeSys GS switch-disconnector-fuses, 32 to 1250 A
## Auxiliary contacts

568473



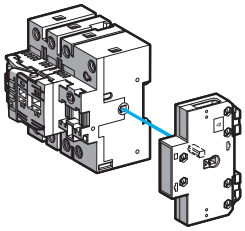
*GS1 AM1●●*

568476



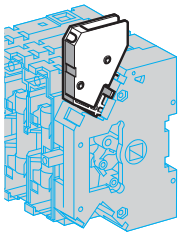
*GS1 AN●●●*

568474



*GS1 AM●11*

568475



*GS1 AM●*

### Auxiliary early break and/or O, I and Test position signalling contacts *(1) (2) (3)*

| Switch rating | Contact type | Type of operator | Reference | Weight |
|---|---|---|---|---|
| A | | | | kg |
| **32…1250** | 1 N/O | External, front or side-mounted *(4)* | **GS1 AM110** | 0.200 |
| | 1 N/C | External, front or side-mounted *(4)* | **GS1 AM101** | 0.200 |

### Auxiliary O, I and Test position signalling contacts *(3) (5)*

| Switch rating | Contact type | Type of operator | Reference | Weight |
|---|---|---|---|---|
| A | | | | kg |
| **Auxiliary O and I position signalling contacts** | | | | |
| **50…1250** | 1 N/C + 1 N/O | External, front or RH side-mounted Direct | **GS1 AN11** | 0.132 |
| | | External, LH side | **GS1 AN11G** | 0.131 |
| | 2 N/C + 2 N/O | External, front or RH side-mounted Direct | **GS1 AN22** | 0.238 |
| | | External, LH side | **GS1 AN22G** | 0.252 |
| **Auxiliary O, I and Test position signalling contacts** *(3)* | | | | |
| **50…400** | 1 N/C + 1 N/O | External, front side-mounted | **GS1 ANT11** | 0.153 |
| | 2 N/C + 2 N/O | External, front side-mounted | **GS1 ANT22** | 0.258 |

### Auxiliary early break and O and I position signalling contacts

| Switch rating | Contact type | Type of operator | Reference | Weight |
|---|---|---|---|---|
| A | | | | kg |
| **32** | 1 C/O | – | **GS1 AM111** | 0.080 |
| | 2 C/O | – | **GS1 AM211** | 0.080 |
| **50…400** | 1 C/O | Direct, RH side | **GS1 AM1** | 0.023 |
| | 2 C/O | Direct, RH side | **GS1 AM2** | 0.035 |

### Auxiliary “blown fuse” signalling contacts for use with NF C and DIN fuses *(6)*

| Contact type | Switch rating | Fuse size | Number of poles | Reference | Weight |
|---|---|---|---|---|---|
| | A | | | | kg |
| **1st C/O** | 50 | 14 x 51 | 3 or 4 | **GS1 AF1** | 0.025 |
| | 100 and 125 | 22 x 58 | 3 | **GS1 AF23** | 0.033 |
| | | | 4 | **GS1 AF24** | 0.037 |
| | 160 | Size 0 | 3 | **GS1 AF33** | 0.036 |
| | | | 4 | **GS1 AF34** | 0.030 |
| | 250 and 400 | Size 1 and Size 2 | 3 | **GS1 AF43** | 0.038 |
| | | | 4 | **GS1 AF44** | 0.032 |
| | 630 | Size 3 | 3 | **GS2 AF63** | 0.046 |
| | | | 4 | **GS2 AF64** | 0.100 |
| | 1250 | Size 4 | 3 | **GS2 AF73** | 0.080 |
| | | | 4 | **GS2 AF74** | 0.045 |
| **2nd C/O** | 50…1250 | – | 3 or 4 | **GS1 AF** | 0.015 |

*(1)* ***For 32 A switch-disconnector-fuses, these auxiliary contacts allow:***
*- early break and O and I position signalling,*
*- O, I and Test position signalling,*
***For 50 to 400 A switch-disconnector-fuses, they allow:***
*- early break,*
*- O, I and Test position signalling,*
***For 630 and 1250 A switch-disconnector-fuses, they allow:***
*- early break and O and I position signalling,*
*- O and I position signalling,*
*- Test position signalling.*
*- O and I position signalling,*
*- Test position signalling.*

*(2) Maximum number of auxiliary contacts:*

| Switch rating A | Standard | With additional bracket | Reference of additional bracket |
|---|---|---|---|
| **32** | 4 | 4 + 4 | GS1 AD10 |
| **50…160** | 4 | 4 + 4 | GS2 AD20 |
| **200…400** | 8 | 8 + 4 | GS2 AD20 |
| **630…1250** | 8 | 8 | – |

*(3) The Test position allows testing of the control circuits off-load. Auxiliary contacts* ***GS1 AM110****,* ***GS1 AM101*** *and* ***GS1 ANT●●*** *only allow the text function with external handles* ***GS2 AHT●●●****.*
*(4) These auxiliary contacts can also be used with 630, 800 and 1250 A switch-disconnector-fuses fitted with a direct front-mounted operator.*
*(5) Reversible add-on attachments for converting an N/C contact to an N/O contact and vice versa.*
*(6) For striker fuses (BS fuses are not available with striker).*

General : pages 24112/2 and 24112/3
Characteristics : pages 24113/2 to 24113/5
Dimensions : pages 24115/2 to 24115/6
Schemes : page 24115/7

# Protection components
## TeSys GS switch-disconnector-fuses, 32 to 1250 A
## Handles for external operators

538656



*GS2 AH●10*
*GS2 AH●20*

538655



*GS2 AH●30*
*GS2 AH●40*

538654



*GS2 AH●50*
*GS2 AH●60*

538653



*GS2 AH●70*
*GS2 AH●80*

### Handles for external operator

| Switch rating<br>A | Handle colour | Degree of protection | Reference | Weight<br>kg |
|---|---|---|---|---|
| **Handles for front-mounted external operators, padlockable and lockable in position O** *(1)*<br>**Door interlock in I position** *(2)* | | | | |
| **32…63** | Black/Grey | IP 65 | **GS2 AH510** | 0.200 |
| | | IP 55 | **GS2 AH515** | 0.200 |
| | Red/Yellow | IP 65 | **GS2 AH520** | 0.200 |
| **100…400** | Black/Grey | IP 65 | **GS2 AH530** | 0.240 |
| | | IP 55 | **GS2 AH535** | 0.240 |
| | Red/Yellow | IP 65 | **GS2 AH540** | 0.240 |
| **630 and 800** | Black/Grey | IP 65 | **GS2 AH550** | 0.280 |
| | Red/Yellow | IP 65 | **GS2 AH560** | 0.280 |
| **1250** | Black/Grey | IP 65 | **GS2 AH570** | 0.390 |
| | Red/Yellow | IP 65 | **GS2 AH580** | 0.390 |
| **Handles for front-mounted external operators with test facility** *(3)***, padlockable and lockable in "O" position** *(1)***. Door interlock in "I" position** *(2)* | | | | |
| **32…63** | Black/Grey | IP 65 | **GS2 AHT510** | 0.200 |
| | Red/Yellow | IP 65 | **GS2 AHT520** | 0.200 |
| **100…400** | Black/Grey | IP 65 | **GS2 AHT530** | 0.240 |
| | Red/Yellow | IP 65 | **GS2 AHT540** | 0.240 |
| **Handles for external RH side-mounted operators, padockable and lockable in "O" position** *(1)* | | | | |
| **32…63** | Black/Grey | IP 65 | **GS2 AH210** | 0.200 |
| | | IP 55 | **GS2 AH215** | 0.200 |
| | Red/Yellow | IP 65 | **GS2 AH220** | 0.200 |
| **100…400** | Black/Grey | IP 65 | **GS2 AH230** | 0.240 |
| | | IP 55 | **GS2 AH235** | 0.240 |
| | Red/Yellow | IP 65 | **GS2 AH240** | 0.240 |
| **630…1250** | Black/Grey | IP 65 | **GS2 AH250** | 0.280 |
| | Red/Yellow | IP 65 | **GS2 AH260** | 0.280 |
| **Handles for external LH side-mounted operators, padockable and lockable in "O" position** *(1)* | | | | |
| **32…63** | Black/Grey | IP 65 | **GS2 AH310** | 0.200 |
| | Red/Yellow | IP 65 | **GS2 AH320** | 0.200 |
| **100…400** | Black/Grey | IP 65 | **GS2 AH330** | 0.240 |
| | Red/Yellow | IP 65 | **GS2 AH340** | 0.240 |
| **630…1250** | Black/Grey | IP 65 | **GS2 AH350** | 0.280 |
| | Red/Yellow | IP 65 | **GS2 AH360** | 0.280 |

### Shafts for external operators

| Switch rating<br>A | Shaft length<br>mm | Shaft cross section<br>mm | Reference | Weight<br>kg |
|---|---|---|---|---|
| **32** | 200 | 5 x 5 | **GS2 AE82** | 0.100 |
| | 320 | 5 x 5 | **GS2 AE8** | 0.125 |
| | 400 | 5 x 5 | **GS2 AE81** | 0.150 |
| **50…400** | 200 | 10 x 10 | **GS2 AE22** | 0.160 |
| | 320 | 10 x 10 | **GS2 AE2** | 0.280 |
| | 400 | 10 x 10 | **GS2 AE21** | 0.320 |
| **630…1250** | 200 | 12 x 12 | **GS2 AE52** | 0.240 |
| | 320 | 12 x 12 | **GS2 AE5** | 0.380 |
| | 400 | 12 x 12 | **GS2 AE51** | 0.420 |

*(1) Lockable with device **GS2 AX1,** to be ordered separately.*
*(2) Door interlock override by means of a tool.*
*(3) The Test facility allows testing of the control circuits off-load, by using auxiliary contacts **GS1 AM110**, **GS1 AM101** or **GS1 ANT●●**. In the "Test" position, the enclosure door can be opened.*

# Protection components
TeSys GS switch-disconnector-fuses, 32 to 1250 A
Handles for external operators
Accessories

568668



*GS1 AH01*

## Handles for external operators

| Switch rating A | Type of operator | Handle colour | Reference | Weight kg |
|---|---|---|---|---|
| **Handles for direct operators, padlockable** | | | | |
| **32** | Front | Black | **GS1 AH103** | 0.060 |
| **50 and 63** | RH side | Black | **GS1 AH01** | 0.060 |
| **100…400** | RH side | Black | **GS1 AH02** | 0.100 |
| **630 and 800** | Front | Black | **GS2 AH104** | 0.480 |
| **1250** | Front | Black | **GS2 AH105** | 0.600 |

## Terminal protection shrouds for upstream or downstream connector plates

| Switch rating A | Number of poles | Reference | Weight kg |
|---|---|---|---|
| **50 and 63** | 3 or 4 | *(1)* | – |
| **100…160** | 3 | **GS1 AP33** | 0.073 |
| | 4 | **GS1 AP34** | 0.180 |
| **200…400** | 3 | **GS1 AP43** | 0.240 |
| | 4 | **GS1 AP44** | 0.280 |
| **630…800** | 3 | **GS2 AP63** | 0.520 |
| | 4 | **GS2 AP64** | 0.780 |
| **1250** | 3 | **GS2 AP83** | 0.680 |
| | 4 | **GS2 AP84** | 0.840 |

568669



*GS1 AH02*

## Devices for locking fuse covers in "I" position *(2)*

| Switch rating A | Fuse size | Number of poles | Reference | Weight kg |
|---|---|---|---|---|
| **50** | 14 x 51 | 3 or 4 | *(3)* | – |
| **63** | Size 00C | 3 or 4 | **GS1 AV1** | 0.012 |
| **100…160** | 22 x 58, Size 00 | 3 or 4 | **GS1 AV2** | 0.040 |
| **160** | Size 0 | 3 | **GS1 AV33** | 0.026 |
| | | 4 | **GS1 AV34** | 0.010 |
| **250** | Size 1 | 3 | **GS1 AV53** | 0.026 |
| | | 4 | **GS1 AV54** | 0.010 |
| **400** | Size 2 | 3 | **GS1 AV73** | 0.027 |
| | | 4 | **GS1 AV74** | 0.033 |

## Cage terminals for connection of bare cables (without lug)

| Switch rating A | Number of poles | Reference | Weight kg |
|---|---|---|---|
| **50 and 63** | 3 or 4 | *(4)* | – |
| **100…160** | 3 | **GS1 AW33** | 0.179 |
| | 4 | **GS1 AW34** | 0.357 |
| **200…250** | 3 | **GS1 AW43** | 0.236 |
| | 4 | **GS1 AW44** | 0.480 |

## External handle locking device

| Switch rating A | Description | Reference | Weight kg |
|---|---|---|---|
| **32…1250** | Device for RONIS EL11AP key lock (lock to be ordered separately). | **GS2 AX1** | 0.200 |

## Height compensation plate for external handles

| Switch rating A | Description | Degree of protection | Reference | Weight kg |
|---|---|---|---|---|
| **32…1250** | Allows a new GS2●● handle to be fitted on existing cut-outs | IP 65 | **GS2 AH001** | 0.020 |

## Flat mounting kit

| Switch rating A | Description | Reference | Weight kg |
|---|---|---|---|
| **50…400** | The kit, for use with a front-mounted external handle, includes:<br>■ a 200 mm shaft, cross section 10 x 10 mm,<br>■ an adapter plate | **GS2 ADL2** | 0.300 |

*(1) For these ratings, the switch-disconnector-fuses are fitted with terminal covers as standard.*
*(2) For NF C and DIN switch-disconnector-fuses fitted with right-hand mounted direct operator.*
*(3) For this rating, switch-disconnector-fuses are fitted with a cover locking device as standard.*
*(4) For these ratings, switch-disconnector-fuses are fitted with cage terminals as standard.*