

# Protection components

Switch-disconnector-fuses, 32 to 1250 A  
for use with NF C or DIN fuses



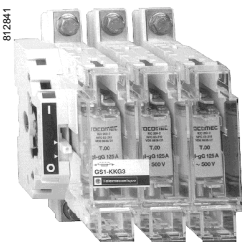
GS1-DD3



GS1-FD3



GS1-ND4



GS1-KKG3

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

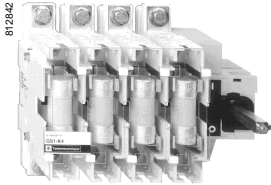
Switch rating A	Fuse size	Number of poles	Reference	Weight kg
<b>For external operators mounted on RH or LH side, and internal or external front-mounted operators</b>				
32	10 x 38	3	GS1-DD3	0.510
		3 + N (1)	GS1-DD4	0.540
<b>For internal or external operators mounted on right-hand side</b>				
50	14 x 51	3	GS1-FD3	0.900
		4	GS1-FD4	1.100
63	Size 000 (2)	3	GS1-GD3	1.100
		4	GS1-GD4	1.400
100	22 x 58	3	GS1-JD3	1.700
		4	GS1-JD4	2.100
125	22 x 58	3	GS1-KD3	1.700
		4	GS1-KD4	2.100
160	Size 00	3	GS1-KKD3	1.700
		4	GS1-KKD4	2.100
	Size 0	3	GS1-LD3	2.200
		4	GS1-LD4	2.800
250	Size 00	3	GS1-LLD3	1.700
		4	GS1-LLD4	2.100
400	Size 2	3	GS1-QD3	4.700
		4	GS1-QD4	6.600
630	Size 3	3	GS1-SD3	16.500
		4	GS1-SD4	20.500
1250	Size 4	3	GS1-VD3	27.500
		4	GS1-VD4	34.500
<b>For external operators mounted on left-hand side</b>				
50	14 x 51	3	GS1-FG3	0.900
		4	GS1-FG4	1.100
63	Size 000 (2)	3	GS1-GG3	1.100
		4	GS1-GG4	1.400
100	22 x 58	3	GS1-JG3	1.700
		4	GS1-JG4	2.100
125	22 x 58	3	GS1-KG3	1.700
		4	GS1-KG4	2.100
160	Size 00	3	GS1-KKG3	1.700
		4	GS1-KKG4	2.100
	Size 0	3	GS1-LG3	2.200
		4	GS1-LG4	2.800
250	Size 00	3	GS1-LLG3	1.700
		4	GS1-LLG4	2.100
400	Size 2	3	GS1-NG3	4.700
		4	GS1-NG4	6.600

(1) N = Switched neutral.

(2) Compact fuses for German market.

# Protection components

Switch-disconnector-fuses, 50 to 1250 A  
for use with NF C or DIN fuses



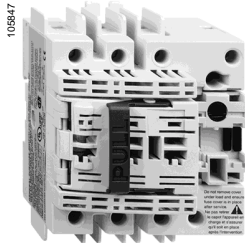
GS1-K4

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

Switch rating A	Fuse size	Number of poles	Reference	Weight kg	
<b>For external operators mounted on front</b>					
50	14 x 51	3	<u>GS1-F3</u>	1.200	
		4	<u>GS1-F4</u>	1.400	
63	Size 000 (1)	3	<u>GS1-G3</u>	1.400	
		4	<u>GS1-G4</u>	1.700	
	100	22 x 58	3	<u>GS1-J3</u>	2.000
			4	<u>GS1-J4</u>	2.400
125	22 x 58	3	<u>GS1-K3</u>	2.000	
		4	<u>GS1-K4</u>	2.400	
	160	Size 00	3	<u>GS1-KK3</u>	2.000
			4	<u>GS1-KK4</u>	2.400
160	Size 0	3	<u>GS1-L3</u>	2.500	
		4	<u>GS1-L4</u>	3.100	
	250	Size 00	3	<u>GS1-LL3</u>	2.000
			4	<u>GS1-LL4</u>	2.400
250	Size 1	3	<u>GS1-N3</u>	3.800	
		4	<u>GS1-N4</u>	4.800	
400	Size 2	3	<u>GS1-QQ3</u>	4.500	
		4	<u>GS1-QQ4</u>	6.800	
<b>For internal and external operators mounted on front</b>					
630	Size 3	3	<u>GS1-S3</u>	16.500	
		4	<u>GS1-S4</u>	20.500	
1250	Size 4	3	<u>GS1-V3</u>	27.500	
		4	<u>GS1-V4</u>	34.500	

(1) Compact fuses for German market.

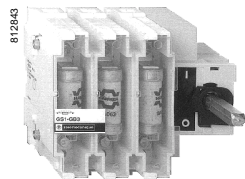
## Protection components

Switch-disconnector-fuses, 32 to 1250 A  
for use with BS fuses

GS1-DDB3



GS1-NBR3



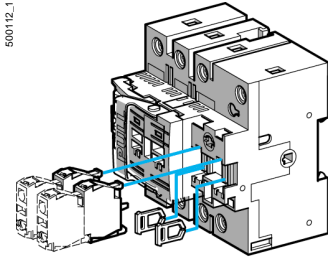
GS1-GB3

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

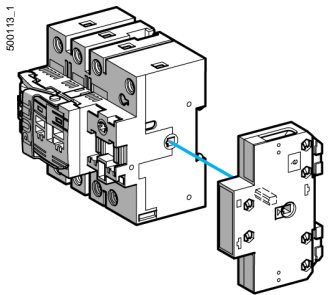
Switch rating	Fuse size	Number of poles	Reference	Weight
				kg
<b>A</b>				
<b>For external operators mounted on RH or LH side, and internal or external front-mounted operators</b>				
32	A1	3	GS1-DDB3	0.510
		3 + N (1)	GS1-DDB4	0.540
<b>For internal or external operators mounted on right-hand side</b>				
63	A2-A3	3	GS1-GBR3	1.100
		4	GS1-GBR4	1.400
100	A4 $\varnothing \leq 31$ mm	3	GS1-JBR3	1.700
		4	GS1-JBR4	2.100
160	A4	3	GS1-LLBR3	2.200
		4	GS1-LLBR4	2.900
	B1-B2	3	GS1-LBR3	2.200
		4	GS1-LBR4	2.900
200	B1-B2	3	GS1-MMBR3	2.200
		4	GS1-MMBR4	2.900
250	B1...B3	3	GS1-NBR3	3.500
		4	GS1-NBR4	4.500
315	B1...B3	3	GS1-PPBR3	3.500
		4	GS1-PPBR4	4.500
400	B1...B4	3	GS1-QQBR3	4.700
		4	GS1-QQBR4	6.600
630	C1-C2	3	GS1-SBR3	17.500
		4	GS1-SBR4	21.500
800	C1...C3	3	GS1-TBR3	22.000
		3 + N	GS1-TBR4	26.500
1250	D1	3	GS1-VBR3	27.500
		4	GS1-VBR4	34.500
<b>For external operators mounted on front</b>				
32	A1	3	GS1-DB3	1.200
		4	GS1-DB4	1.400
63	A2-A3	3	GS1-GB3	1.400
		4	GS1-GB4	1.700
100	A4 $\varnothing \leq 31$ mm	3	GS1-JB3	2.000
		4	GS1-JB4	2.400
160	A4	3	GS1-LLB3	2.200
		4	GS1-LLB4	2.900
	B1-B2	3	GS1-LB3	2.500
		4	GS1-LB4	3.200
200	B1-B2	3	GS1-MMB3	2.500
		4	GS1-MMB4	3.200
250	B1...B3	3	GS1-NB4	3.800
		4	GS1-NB4	4.800
315	B1...B3	3	GS1-PPB3	3.800
		4	GS1-PPB4	4.800
400	B1...B4	3	GS1-QQB3	4.500
		4	GS1-QQB4	6.800
<b>For internal or external operators mounted on front</b>				
630	C1-C2	3	GS1-SB3	17.500
		4	GS1-SB4	21.500
800	C1...C3	3	GS1-TB3	22.000
		3 + N	GS1-TB4	26.500
1250	D1	3	GS1-VB3	27.500
		4	GS1-VB4	34.500

(1) N = Switched neutral.

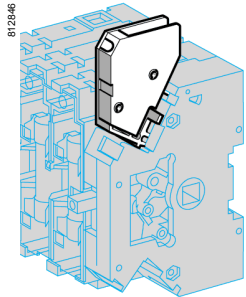
## Protection components

Switch-disconnector-fuses, 32 to 1250 A  
Auxiliary and signalling contacts

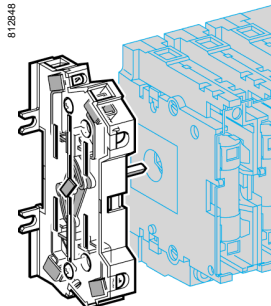
GS1-AM1●●



GS1-AM●11



GS1-AM1



GS1-AN●

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

Switch rating	Type of contact	Mounting	Reference	Weight
<b>A</b>				kg
32	1 N/O	Front (1)	<b>GS1-AM110</b>	0.015
	1 N/C	Front (1)	<b>GS1-AM101</b>	0.015
	1 C/O	Side (2)	<b>GS1-AM111</b>	0.060
	2 C/O	Side (2)	<b>GS1-AM211</b>	0.070

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

Switch rating	Type of contact	Reference	Weight	
<b>A</b>				kg
50...400	1 C/O	<b>GS1-AM1</b>	0.030	
630...1250	1 C/O	<b>GS1-AM3</b>	0.030	
50...400	2 C/O	<b>GS1-AM2</b>	0.050	
630...1250	2 C/O	<b>GS1-AM4</b>	0.050	

## Auxiliary O and I position signalling contacts (3)

## Standard contacts

50...400	1 N/C + 1 N/O	<b>GS1-AN11</b> (4)	0.100
	2 N/C + 2 N/O	<b>GS1-AN22</b> (4)	0.200

## Contacts with test facility (5)

50...400	1 N/C + 1 N/O	<b>GS1-ANT11</b>	0.100
	2 N/C + 2 N/O	<b>GS1-ANT22</b>	0.200

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

Type of contact	Switch rating	Fuse size	Number of poles	Reference	Weight
<b>A</b>					
1st C/O	50	14 x 51	3	<b>GS1-AF1</b>	0.030
			4	<b>GS1-AF1</b>	0.030
	100 and 125	22 x 58	3	<b>GS1-AF23</b>	0.040
			4	<b>GS1-AF24</b>	0.050
	160	T0	3	<b>GS1-AF33</b>	0.050
			4	<b>GS1-AF34</b>	0.060
	250 and 400	T1 and T2	3	<b>GS1-AF43</b>	0.060
			4	<b>GS1-AF44</b>	0.060
	630	T3	3	<b>GS1-AF63</b>	0.070
			4	<b>GS1-AF64</b>	0.070
	1250	T4	3	<b>GS1-AF73</b>	0.070
			4	<b>GS1-AF74</b>	0.070
2nd C/O	50...400	-	3	<b>GS1-AF</b>	0.020
			4	<b>GS1-AF</b>	0.020
	630...1250	-	3	<b>GS1-AFF</b>	0.020
			4	<b>GS1-AFF</b>	0.020

(1) For use with external operator, front or side-mounted.

(2) For use only with internal, front-mounted operator.

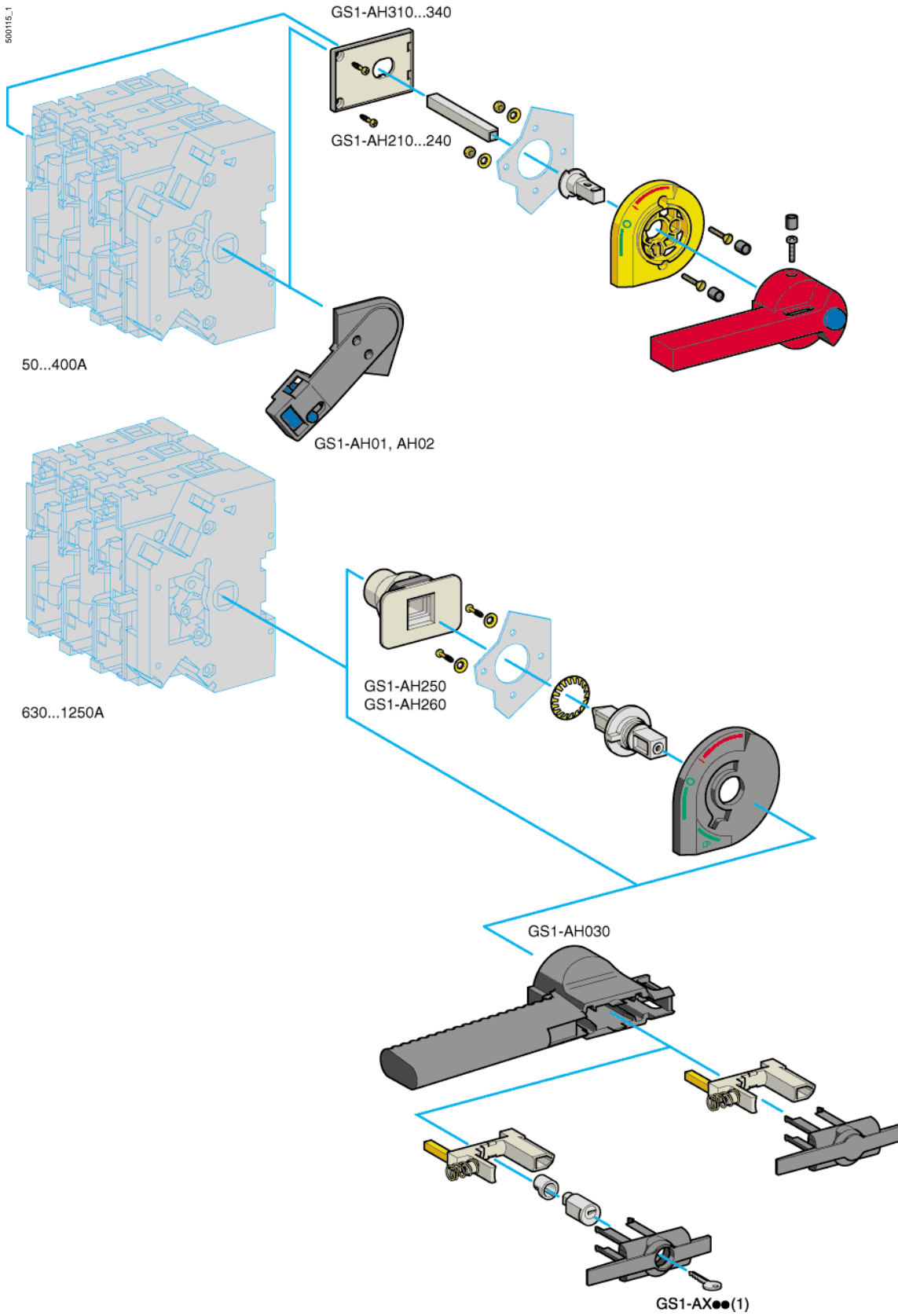
(3) Reversible add-on attachments for converting an N/C contact to an N/O contact and vice versa.

(4) For switch-disconnector-fuses with external operator mounted on left-hand side, add suffix **G** to the reference. Example : **GS1-AN11G**.

(5) Provides Test function only with handles GS1-AHT●●●.

(6) BS fuses are not available with striker.

600115\_1



(1) See page 23024/10

# Protection components

Switch-disconnector-fuses, 32 to 1250 A  
Side-mounted operators

## Side-mounted operators

Switch rating A	Type of operator	Colour handle/front plate	Reference	Weight kg
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### Handles for internal operators mounted on right-hand side, padlockable

50 and 63	–	Black/–	<b>GS1-AH01</b>	0.050
100...400	–	Black/–	<b>GS1-AH02</b>	0.090
630...1250	Lockable(1) in position O	Black/–	<b>GS1-AH030</b>	0.300

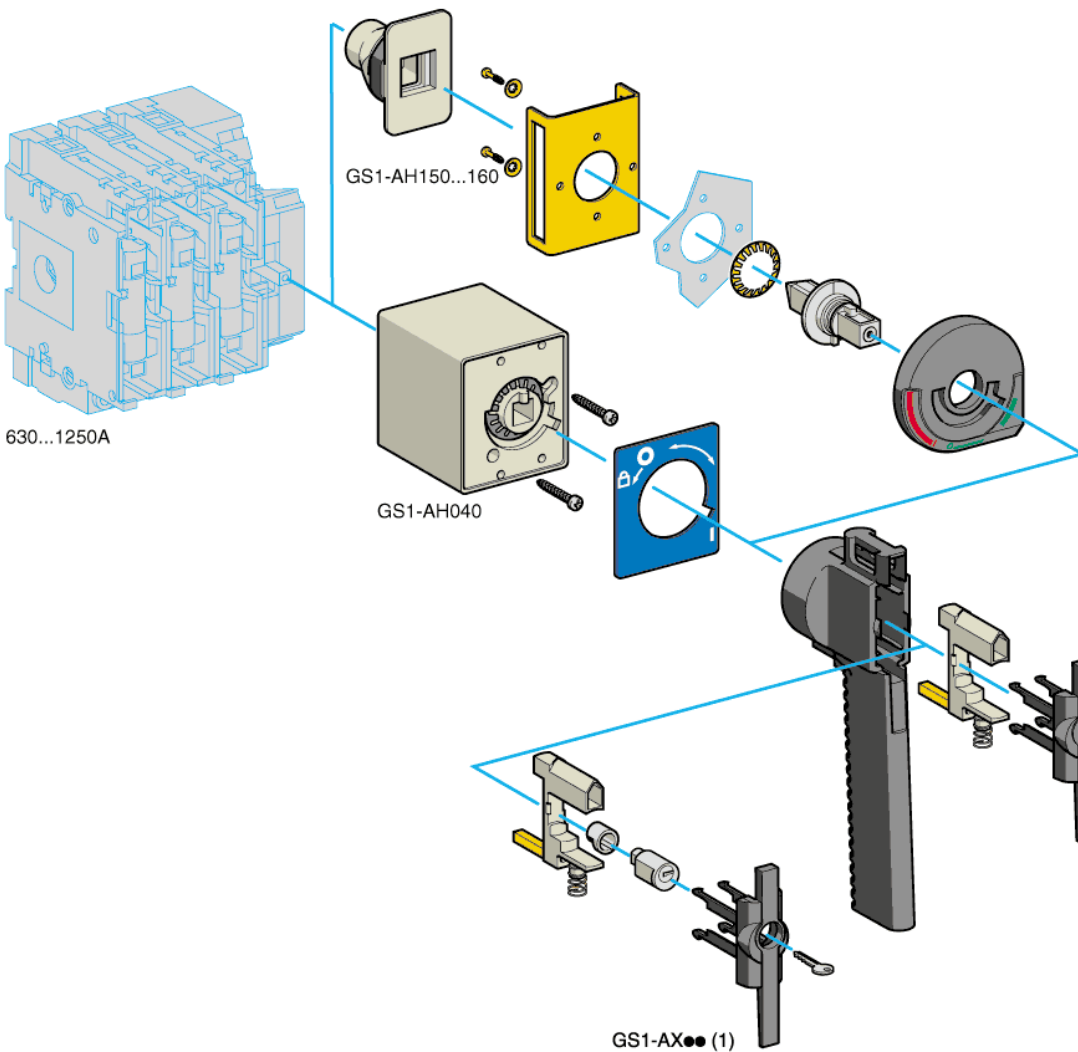
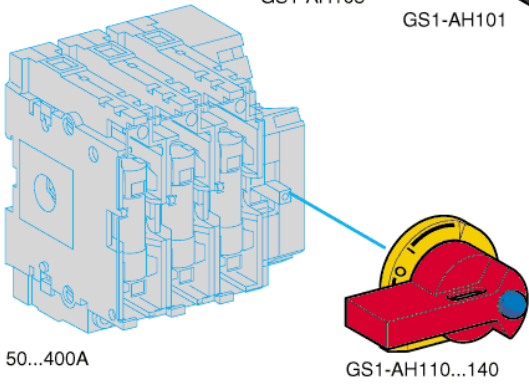
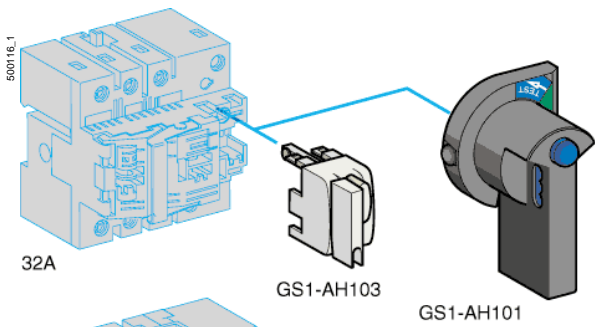
### Handles for external operators mounted on right-hand side, padlockable, IP 65

32	–	Black/Black	<b>GS1-AH101</b>	0.160
		Red/Yellow	<b>GS1-AH102</b>	0.160
50 and 63	Lockable (2) in position O	Black/Black	<b>GS1-AH210</b>	0.320
		Red/Yellow	<b>GS1-AH220</b>	0.320
100...400	Lockable (2) in position O	Black/Black	<b>GS1-AH230</b>	0.350
		Red/Yellow	<b>GS1-AH240</b>	0.350
630...1250	Lockable (1) or (3) in position O	Black/Black	<b>GS1-AH250</b>	0.600
		Red/Yellow	<b>GS1-AH260</b>	0.600

### Handles for external operators mounted on left-hand side, padlockable, IP 65 (4)

32	–	Black/Black	<b>GS1-AH311</b>	0.160
		Red/Yellow	<b>GS1-AH321</b>	0.160
50 and 63	Lockable (2) in position O	Black/Black	<b>GS1-AH310</b>	0.320
		Red/Yellow	<b>GS1-AH320</b>	0.320
100...400	Lockable (2) in position O	Black/Black	<b>GS1-AH330</b>	0.350
		Red/Yellow	<b>GS1-AH340</b>	0.350

- (1) Lockable with device GS1-AX11 to be ordered separately.  
(2) Lockable with device GS1-AX31 to be ordered separately.  
(3) Lockable with device GS1-AX21 to be ordered separately.  
(4) For switch-disconnector-fuses with NF C and DIN fuses.



(1) See page 23024/10

# Protection components

Switch-disconnector-fuses, 32 to 1250 A  
Front-mounted operators

## Front-mounted operators

Switch rating A	Type of operator	Colour handle/front plate	Reference	Weight kg
<b>Handles for internal operators, mounted on front, padlockable</b>				
32	–	Black/–	<b>GS1-AH103</b>	0.045
630...1250	Lockable (1) or (2) in position O	Black/–	<b>GS1-AH040</b>	0.600
<b>Handles for external operators, mounted on front, padlockable, IP 65. Door interlock in "I" position (4)</b>				
32	–	Black/Black	<b>GS1-AH101</b>	0.160
		Red/Yellow	<b>GS1-AH102</b>	0.160
50 and 63	Lockable (3) in position O	Black/Black	<b>GS1-AH110</b>	0.320
		Red/Yellow	<b>GS1-AH120</b>	0.320
100...400	Lockable (3) in position O	Black/Black	<b>GS1-AH130</b>	0.350
		Red/Yellow	<b>GS1-AH140</b>	0.350
630...1250	Lockable (1) in position O	Black/Black	<b>GS1-AH150</b>	0.700
		Red/Yellow	<b>GS1-AH160</b>	0.700
<b>Handles for external operators, mounted on front, padlockable, with test facility IP 65. Door interlock in "I" position (4)</b>				
50 and 63	Lockable (3) in position O	Black/Black	<b>GS1-AHT110</b>	0.320
		Red/Yellow	<b>GS1-AHT120</b>	0.320
100...400	Lockable (3) in position O	Black/Black black	<b>GS1-AHT130</b>	0.350
		Red/Yellow	<b>GS1-AHT140</b>	0.350

- (1) Lockable with device GS1-AX11 to be ordered separately.  
 (2) Lockable with device GS1-AX21 to be ordered separately.  
 (3) Lockable with device GS1-AX31 to be ordered separately.  
 (4) Door interlock can be overridden with a tool on ratings up to 400 A.



# Protection components

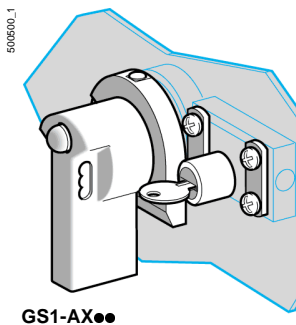
Switch-disconnector-fuses, 32 to 1250 A  
Accessories

## Shaft extensions for external operators

Switch rating A	Operator Type	Length mm	Cross section mm	Reference	Weight
					kg
32	Front or side-mounted	200	5 x 5	<b>GS1-AE9</b>	0.105
50...400	Side-mounted	200	10 x 10	<b>GS1-AE1</b>	0.050
	Front-mounted	320	10 x 10	<b>GS1-AE2</b>	0.200
630...1250	Side-mounted	200	15 x 15	<b>GS1-AE5</b>	0.500
	Front-mounted	200	15 x 15	<b>GS1-AE6</b>	0.450

## Kits for handle locking devices

Switch rating A	Type of operator	Key description	Reference	Weight
				kg
50...400	External Side or front-mounted	Ronis EL11AP	<b>GS1-AX31</b>	0.400
630...1250	Internal or external Side or front-mounted	Ronis 1104	<b>GS1-AX11</b>	0.020
	Internal Front-mounted	Ronis EL11AP	<b>GS1-AX21</b>	0.200



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

Switch rating A	Number of poles	Reference	Weight
			kg
100...160	3	<b>GS1-AW33</b>	0.070
	4	<b>GS1-AW34</b>	0.090
250	3	<b>GS1-AW43</b>	0.013
	4	<b>GS1-AW44</b>	0.017

# Protection components

Switch-disconnector-fuses, 32 to 1250 A  
Accessories

## Terminal protection shrouds for upstream or downstream connector plates

Switch rating A	Number of poles	Reference	Weight kg
<b>50 and 63</b>	3 or 4	(1)	–
<b>100...160</b>	3	<b>GS1-AP33</b>	0.100
	4	<b>GS1-AP34</b>	0.100
<b>200...400</b>	3	<b>GS1-AP43</b>	0.250
	4	<b>GS1-AP44</b>	0.300
<b>630</b>	3	<b>GS1-AP63</b>	0.400
	4	<b>GS1-AP64</b>	0.500

## Terminal protection shrouds for upstream connector plates

<b>800</b>	3	<b>GS1-AP73</b>	0.400
	4	<b>GS1-AP74</b>	0.500
<b>1250</b>	3	<b>GS1-AP83</b>	0.300
	4	<b>GS1-AP84</b>	0.400

## Fuse cover locking devices (2)

Switch rating A	Fuse size	Number of poles	Reference	Weight kg
<b>50</b>	14 x 51 and A1	3 or 4	(1)	–
<b>63</b>	T00C and A2-A3	3 or 4	<b>GS1-AV1</b>	0.010
<b>100...160</b>	22 x 58, T00 and A4	3 or 4	<b>GS1-AV2</b>	0.010
<b>160</b>	T0	3	<b>GS1-AV33</b>	0.050
		4	<b>GS1-AV34</b>	0.050
	B1-B2	3	<b>GS1-AV43</b>	0.150
		4	<b>GS1-AV44</b>	0.180
<b>250</b>	T1	3	<b>GS1-AV53</b>	0.060
		4	<b>GS1-AV54</b>	0.060
	B1...B3	3	<b>GS1-AV63</b>	0.180
		4	<b>GS1-AV64</b>	0.220
<b>400</b>	T2 and B1...B4	3	<b>GS1-AV73</b>	0.180
		4	<b>GS1-AV74</b>	0.220

(1) Fitted as standard on these switch-disconnector-fuses.

(2) For switch-disconnector-fuses fitted with internal or external operators mounted on right-hand side.