


IP 20 - START
Protection kit
for DIGISTART STV 2313
Installation

IP 20 - START

1 - GENERAL

 • It is the responsibility of the owner or user to ensure that the installation, operation and maintenance of the STV 2313 and its options are carried out by experienced and qualified personnel, and comply with legislation relating to the safety of equipment and personnel as well as current regulations in the country of use.

1.1 - Function

The **IP 20 - START** kit is designed to increase the protection index of DIGISTART STV 2313 electronic starters to IP 20.

The overall height of the DIGISTART STV 2313 is altered by adding the kit.

Association of **IP 20 - START** with DIGISTART STV 2313

DIGISTART STV 2313 rating	IP 20 - START reference
37	1
60 and 86	2
145 to 250	3

Note: There is no IP 20 kit for ratings above 250. However, STV 2313 365 to 900 have IP 20 protection on 5 sides as standard.

1.2 - Kit composition

1.2.1 - IP 20 - START - 1

Number	Description	Quantity
1	Support	2
2	Movable part	2
3	Terminal cover	2
4	M4 x 8 T20 + F screws	12
5	Prestole ring Ø4	12
6	SIM no. 4 x 6.5 T10 + F screws	4

Note: The screws (4) and the prestole rings (5) are supplied mounted on the metal support plate.

1.2.2 - IP 20 - START - 2

Number	Description	Quantity
1	Support	2
2	Movable part	2
3	Terminal cover	2
4	Upper protective cover	1
5	Lower protective cover	1
6	M4 x 8 T20 + F screws	16
7	Prestole ring	12
8	SIM no. 4 x 6.5 T10 + F screws	4

Note: 12 of the screws (6) and the prestole rings (5) are supplied mounted on the metal support plate.

IP 20 - START

1.2.3 - IP 20 - START - 3

Number	Description	Quantity
1	Support	1
2	Cover	1
3	CBL M4x8 T20 + F screws	6
4	Prestole ring	6
5	"PLEXO" cable gland	2

Note: The 6 screws (3), the 6 prestole rings (4) and both "PLEXO" cable glands are supplied mounted on the cover (2).

1.3 - Dimensions and weight

IP 20 START Reference	Height added to the STV 2313 (mm)	Weight (kg)	
		Unpacked	Packed
1	100	1,2	1,700
2	100	1,6	2,150
3	130	1,6	2,150

2 - ASSEMBLY

2.1 - Precautions

Assembly should be performed in a clean dust-free area, with the STV 2313 laid flat for ease of access.

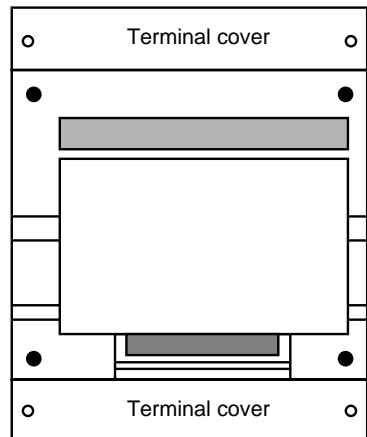
Tools required

IP 20 - START	Screwdriver
1 and 2	Torx 10 + Torx 20
3	Torx 20

2.2 - Assembly procedure

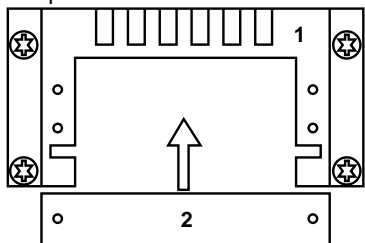
2.2.1 - IP 20 - START - 1

a) Remove the STV 2313 terminal covers.

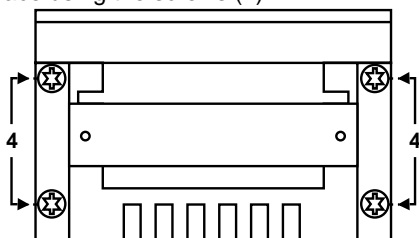


IP 20 - START

b) Slide the movable part **2** into the top part of support **1**, repeat for the second movable part.



c) Position the parts assembled in b) at each end of the STV 2313 and fix them in place using the screws **(4)**.

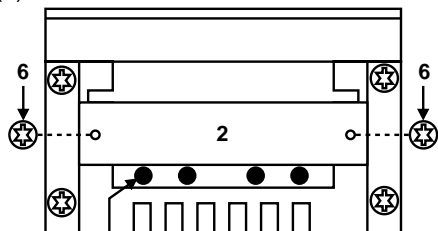


d) Insert the STV 2313.

e) Position the movable parts **2** on the supports.

f) Wire up the DIGISTART.

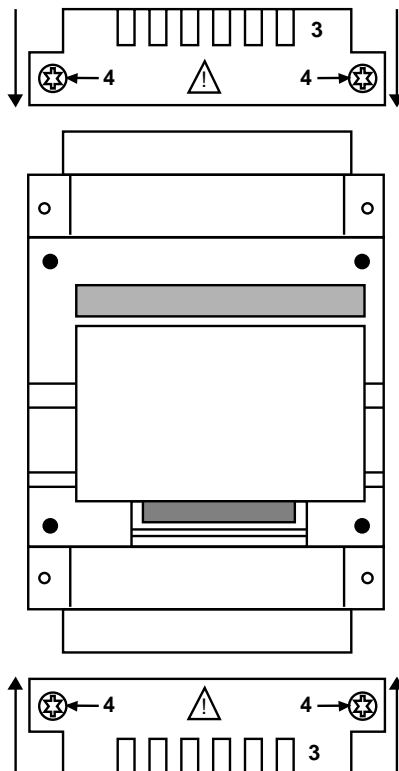
g) Fix the movable parts using the screws **(6)**.




Cables

Position of the terminal cover for the top and bottom parts of the DIGISTART.

h) Slide the terminal cover **(3)** into the slot in the support and fix it in place using the captive screws **(4)**.

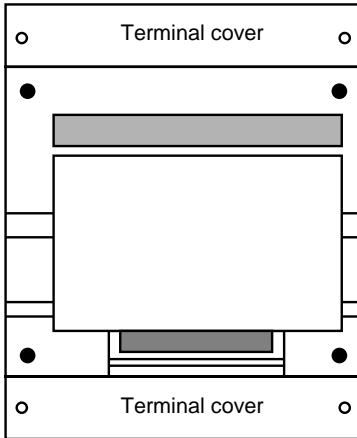


Note: Place the terminal covers so that the warning labels  are pointing towards the top of the STV 2313.

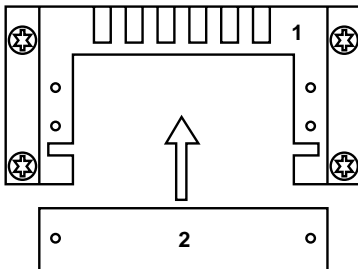
IP 20 - START

2.2.2 - IP 20 - START 2

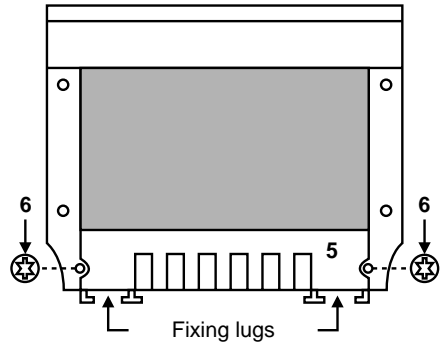
a) Remove the STV 2313 terminal covers.



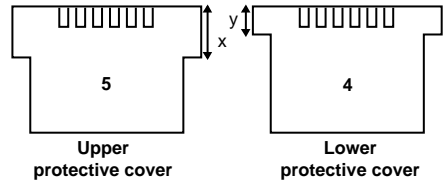
b) Slide the movable part 2 into the top part of support 1, repeat for the second movable part.



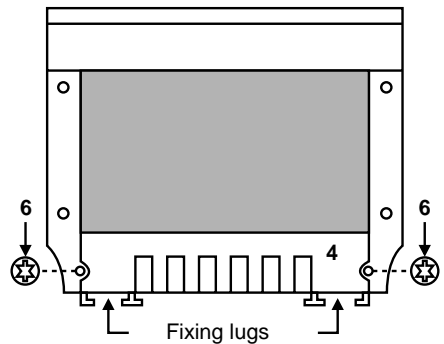
c) Slide the fixing lugs, and then the upper protective cover 5 into the heatsink grooves and fix in place using the 2 screws (6).



Note: The upper protective cover is distinguished from the lower protective cover by the different cutout shape.

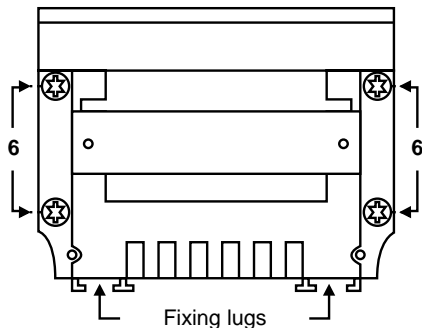


d) Slide the fixing lugs, and then the lower protective cover 4 into the fixing grooves and fix in place using the 2 screws (6).



IP 20 - START

e) Position the parts assembled in b) at each end of the STV 2313 and fix in place with the screws (6).

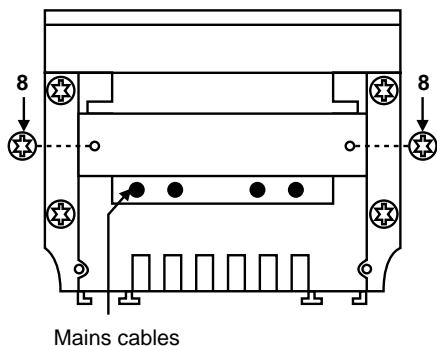


f) Insert the STV 2313.

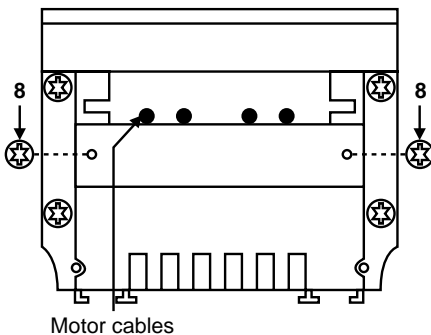
g) Position the movable parts on the supports.

h) Wire up the STV 2313.

i) Fix the movable parts using the screws (8).

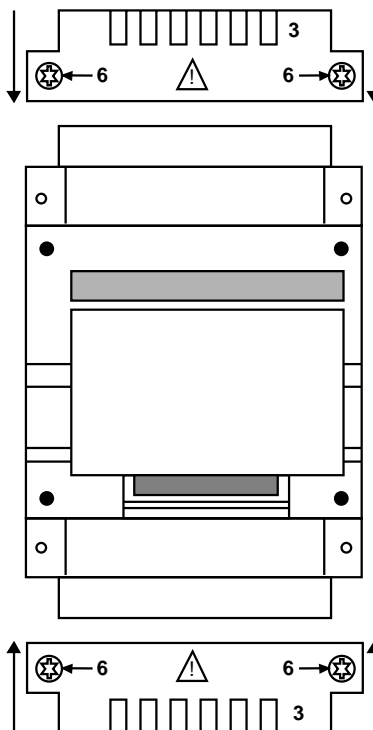


Position for the top of the STV 2313.



Position for the bottom of the STV 2313.

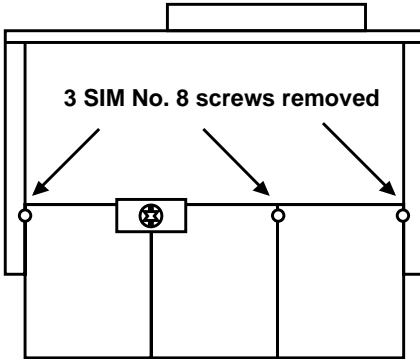
j) Partially tighten both screws (6) on the captive nuts, slide the terminal cover (3) into the slots and fully tighten the screws (6).



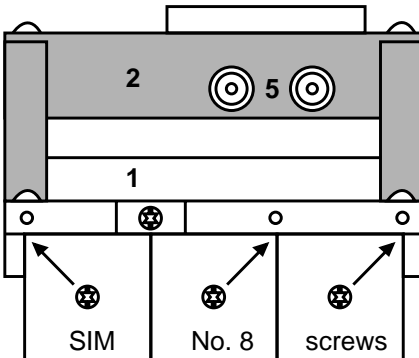
IP 20 - START

2.2.3 - IP 20 - START 3

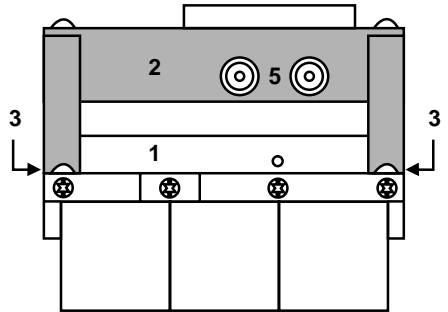
a) Remove the terminal cover and 3 SIM No. 8 screws from the bottom of the STV 2313.



b) Fit the support (2) and fix it in place using the 3 SIM No. 8 screws removed earlier.



c) Undo the screws (3) and remove the cover (2).

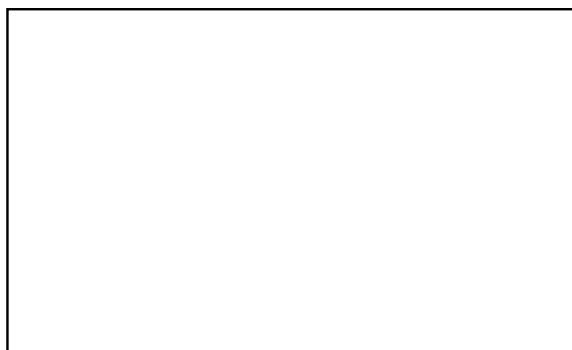


d) Insert the STV 2313.

e) Wire up the STV 2313.

Note: Run the control module cables through "PLEXO" cable glands to avoid interference from the power cables.

f) Replace the cover (2).



MOTEURS LEROY-SOMER 16015 ANGOULÊME CEDEX - FRANCE

RCS ANGOULÊME N° B 671 820 223

S.A. au capital de 131 910 700 F

<http://www.leroy-somer.com>