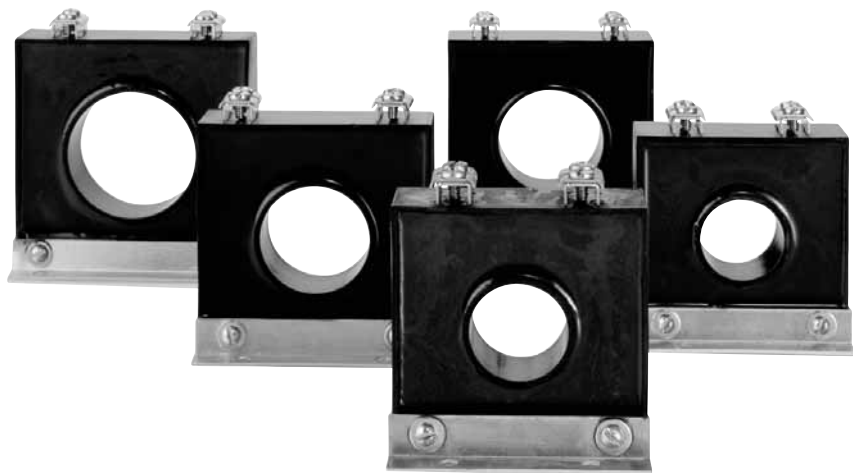

Current transformer

MP 204 accessory

Installation and operating instructions

(GB) (D) (F) (I) (E) (P) (GR) (NL) (S) (FIN) (DK)
(PL) (RU) (H) (SI) (HR) (YU) (RO) (BG) (CZ) (SK) (TR)
(EE) (LT) (UA)



Current transformer

MP 204 accessory

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5. Maintenance	5
6. Disposal	5

GB



Prior to installation, read these installation and operating instructions. Installation and operation must comply with local regulations and accepted codes of good practice.

1. General information

The current transformers are accessories for the Grundfos MP 204 motor protector.

At motor currents above 120 A and up to and including 1000 A, current transformers must be used.

2. Product range

Product number	Current transformer ratio	I _{max} .	P _{max} .
96095274	200:5	200 A	5 VA
96095275	300:5	300 A	5 VA
96095276	500:5	500 A	5 VA
96095277	750:5	750 A	5 VA
96095278	1000:5	1000 A	5 VA

3. Mounting

Fit the current transformers to a metal plate with four screws so that the cables to the motor can easily be taken through the transformers. See dimensional sketch on page 54.

Note: The current transformers must be fitted in the same direction.

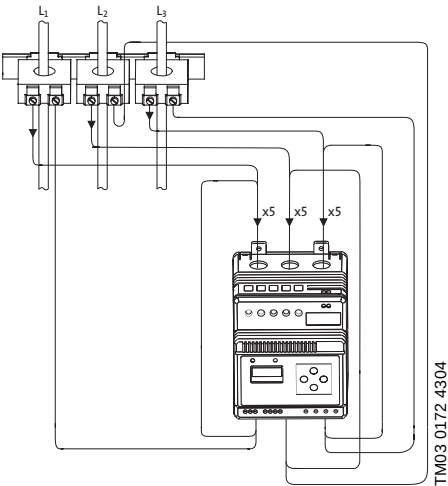
4. Connection

For a three-phase installation, three current transformers must be used.

Take each phase to the motor through a current transformer, see fig. 1.

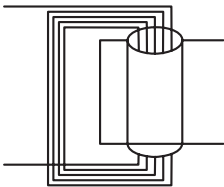
Connect the secondary side of each current transformer to a wire and take the wire five times through the I1, I2 and I3 of the MP 204, see figs. 1 and 2.

Note: The three current transformers must be fitted in the same direction and connected in the same way.



TM03 0172 4304

Fig. 1 Connection



TM03 1398 1905

Fig. 2 Five windings through the MP 204

4.1 MP 204 setup

When the current transformers are used together with an MP 204 and the installation is made as shown in figs. 1 and 2, the actual current transformer factor must be set in the MP 204 with the Grundfos R100 remote control. See table on page 54.

Set the current transformer factor in menu INSTALLATION, see fig. 3.



Fig. 3 R100 display

For further settings, see installation and operating instructions for the MP 204.

5. Maintenance

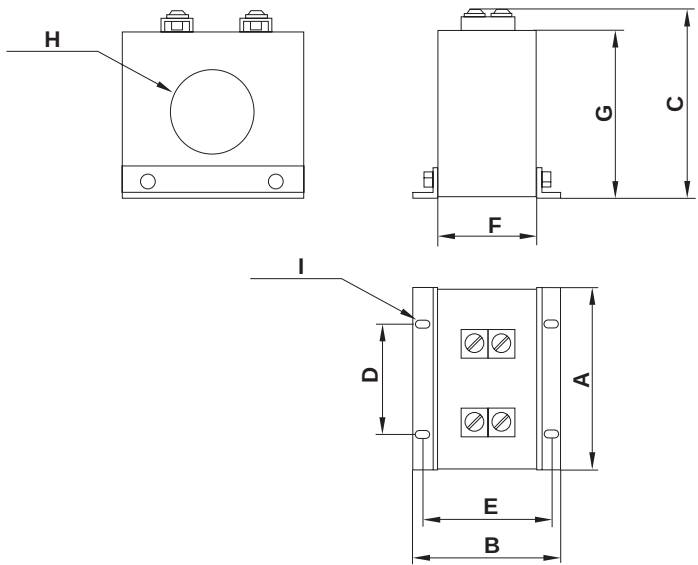
The current transformers are maintenance-free during normal use and operation.

6. Disposal

This product or parts of it must be disposed of in an environmentally sound way:

1. Use the public or private waste collection service.
2. If this is not possible, contact the nearest Grundfos company or service workshop.

Dimensional sketch



TM03 1366 1905

Type	A	B	C	D	E	F	G	H ID	I ID	MP 204 CT factor
200:5	71.4	50.8	77.7	34.0	38.1	25.4	71.4	26.9	4.6	8
	2.81	2.00	3.06	1.34	1.50	1.00	2.81	1.06	0.18	
300:5	71.4	50.8	77.7	34.0	38.1	25.4	71.4	26.9	4.6	12
	2.81	2.00	3.06	1.34	1.50	1.00	2.81	1.06	0.18	
500:5	79.2	50.8	85.3	36.8	38.1	25.4	79.2	34.8	4.6	20
	3.12	2.00	3.36	1.45	1.50	1.00	3.12	1.37	0.18	
750:5	90.7	50.8	91.7	50.8	38.1	25.4	85.6	41.1	4.6	30
	3.57	2.00	3.61	2.00	1.50	1.00	3.37	1.62	0.18	
1000:5	91.9	50.8	98.0	50.8	38.1	25.4	91.9	47.5	4.6	40
	3.62	2.00	3.86	2.00	1.50	1.00	3.62	1.87	0.18	

Measurements in **bold** are inches.

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