

Identification Code: P 203-VDC with/without PCB V10-V13, H



Examples of Model Designation

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P203, P203 UL²

Basic Pump Model

for Grease & Oil

with 1-3 outlets and VDC motor

Reservoir Design

- 2 = 2 l transparent plastic
- 4 = 4 l transparent plastic
- 8 = 8 l transparent plastic
- 15 = 15 l transparent plastic
- X = reservoir for grease
- Y = reservoir for oil
- N = standard design
- L = low-level control

w/o Designation = standard 2 l, 4l, 8l

- BO = filling from top
- BF = reservoir with follower plate
- FL = flat reservoir
(2 l only without low-level)

Pump Elements

- 1-3 = number of pump elements
- K5 = piston diameter = 5 mm
- K6 = piston diameter = 6 mm
- K7 = piston diameter = 7 mm
- KR = adjustable pump element
piston diameter = 7 mm
- C7 = piston diameter = 7 mm**
- B7 = piston diameter = 7 mm
(output of K5)
- S7 = piston diameter = 7 mm
(food grade applications)

Operating Voltage

12 VDC or 24 VDC

Number of Possible Connections

- 1A = 1 connection (left), supply voltage¹
- 1A = 1 connection (left), supply voltage²
- 1A = 1 connection (left), supply voltage +
remote control for additional lubrication, low-level³ ***
- 2A = 2 connections, supply voltage left¹ + remote control for
additional lubrication, low-level (right)¹ ***

Type of Connection

- 1 = square type plug, acc to DIN EN 175301-803 type A without cable¹
- 5 = bayonet plug, 4/3 pole, DIN 72585-1² (V10-V13, V20-V23, H)
(only for mobile applications)
- 7 = bayonet plug, 7/6 pole, DIN 72585-1³ (V10-V13, V20-V23)
(only for mobile applications)

Connection Outside of the Pump

- 01 = with socket-outlet, without cable¹
- 10 = socket-outlet with 10 m cable¹
- 11 = socket-outlet with 10 m ADR cable¹ *
- 14 = bayonet socket with 10 m cable, 4/3 pole² (V10-V13, V20-V23)
without level control and without remote control lubrication ***
- 16 = bayonet socket with 10 m cable, 7/6 pole³ (V10-V13, V20-V23)
with level control or with remote control lubrication ***
- 17 = bayonet socket with 10 m ADR cable*, 4/3 pole² (V10-V13, H)

PCB 12 VDC / 24 VDC

V10 - V13 with adjustable run/pause times^{1 2 3}

- H = for trailer or semitrailers^{1 2}
- no designation: pump without PCB^{1 2}

^{1 2 3} The numbers must correspond to the connector plugs / * for transport of hazardous goods/ ** C7 designation for chisel paste pump elements / *** low-level for oil; connection of low-level not taken into account

Identification Code: P 203-VDC with PCB M08-M23



Examples of Model Designation

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P203-	2	X	L	-	1	K6-	24-	2A	6.	15-	M10
P203-	4	X	L	BO	1	KR-	24-	2A	6.	15-	M12
P203-	2	X	L	-	2	K5-	12-	2A	6.	15-	M12
P203-	8	X	L	BO	1	K6-	24-	2A	6.	15-	M08
P203-	4	Y	L	BO	1	K7-	12-	2A	6.	15-	M16
P203-	2	X	L	-	1	K6-	24-	2A	6.	15-	M23

Basic Pump Model for Grease & Oil with 1-3 outlets and VDC motor

Reservoir Design

- 2 = 2 l transparent plastic
- 4 = 4 l transparent plastic
- 8 = 8 l transparent plastic
- 15 = 15 l transparent plastic
- X = reservoir for grease
- Y = reservoir for oil
- N = standard design
- L = low-level control

w/o Designation = standard 2 l, 4l, 8l

- BO = filling from top
- FL = flat reservoir (2 l only without low-level)

Pump Elements

- 1-3 = number of pump elements
- K5 = piston diameter = 5 mm
- K6 = piston diameter = 6 mm
- K7 = piston diameter = 7 mm
- KR = adjustable pump element, (piston diameter = 7 mm)
- B7 = piston diameter = 7 mm (output of K5)
- S7 = piston diameter = 7 mm (food grade applications)

Operating Voltage

12 VDC or 24 VDC

Number of Possible Connections

- 2A = 2 connections, supply voltage (left) + remote control for additional lubrication, low-level (right)^{3***} and piston detector (right)⁴

Type of Connection

- 6 = bayonet plug, 7/5 pole, DIN 72585-1³, (M08-M23)

Connection Outside of the Pump

- 15 = bayonet socket with 10 m cable, 7/5 core³, M08-M23

PCB 12 VDC / 24 VDC

M08-M23 = with microprocessor³ (various setting possibilities, see jumper setting combinations)

³ The number must correspond to the connector plugs

⁴ Piston detector, 4 pole

*** Low-level for oil; connection of low-level not taken into account

Subject to change

Identification Code: P 203-VAC with/without PCB V10-V13, V20-V24



Examples of Model Designation

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P203-	2	X	N	-	1	K6-	AC-	1A	1.	01-	V10
P203-	4	X	L	BO	1	KR-	AC-	2A	1.	01-	V12
P203-	2	X	N	-	2	K5-	AC-	1A	1.	01-	
P203-	8	X	L	BO	1	K6-	AC-	2A	5.	14-	V11
P203-	4	Y	L	BO	1	K7-	AC-	1A	1.	01-	V20
P203-	2	X	L	-	1	K6-	AC-	2A	7.	16-	V10

P203 *

Basic Pump Model

for Grease & Oil

with 1-3 outlets and VDC motor

Reservoir Design

- 2 = 2 l transparent plastic
- 4 = 4 l transparent plastic
- 8 = 8 l transparent plastic
- 15 = 15 l transparent plastic
- X = reservoir for grease
- Y = reservoir for oil
- N = standard design
- L = low-level control

w/o Designation = standard 2 l, 4l, 8l

- BO = filling from top
- FL = flat reservoir (2 l only without low-level)

Pump Elements

- 1-3 = number of pump elements
- K5 = piston diameter = 5 mm
- K6 = piston diameter = 6 mm
- K7 = piston diameter = 7 mm
- KR = adjustable pump element piston diameter = 7 mm
- B7 = piston diameter = 7 mm (output of K5)
- S7 = piston diameter = 7 mm (food grade applications)

Operating Voltage

- AC = 110–240 VAC +/- 10%, 50–60 Hz +/- 5% (with 24 VDC motor)

Number of Possible Connections

- 1A = 1 connection, supply voltage (only square plug) left bottom¹
- 2A = 2 connections, supply voltage (only square plug) left bottom¹, either low-level only (square plug) right bottom¹ or (bayonet) left top², or illuminated push button + low-level (bayonet), left top

Type of Connection

- 1 = square type plug (DIN EN 175 301-803, Type A)¹
- 5 = bayonet plug, 4/3 pole², DIN 72585-1
- 7 = bayonet plug, 7/6 pole³, DIN 72585-1

Connection Outside of the Pump

- 04 = with socket, without cable¹
- 14 = bayonet socket with 10 m cable, 4/3 core², V10-V13, V20-V23, connection for low-level without illuminated push button
- 16 = bayonet socket with 10 m cable, 7/6 core³, V10-V13, V20-V23, connection for low-level and illuminated push button

PCB 12 VDC / 24 VDC

- V10–V13 = with adjustable run/pause time
- V20–V23 = with adjustable run/pause time (USA)
- no designation = pump without PCB

^{1 2 3} The numbers must correspond to the connector plugs
* on request

Identification Code: P 203-VAC with PCB M08-M23



Examples of Model Designation

P203-	2	X	L	-	1	K6-	AC-	3A	6.	15-	M08
P203-	4	X	L	BO	1	KR-	AC-	3A	6.	15-	M12
P203-	2	X	L	-	2	K5-	AC-	3A	6.	15-	M23
P203-	8	X	L	BO	1	K6-	AC-	3A	6.	15-	M09
P203-	4	Y	L	BO	1	K7-	AC-	3A	6.	15-	M20
P203-	2	X	L	-	1	K6-	AC-	3A	6.	15-	M10

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P203

Basic Pump Model for Grease & Oil
with 1-3 outlets and VDC motor

Reservoir Design

- 2 = 2 l transparent plastic
- 4 = 4 l transparent plastic
- 8 = 8 l transparent plastic
- 15 = 15 l transparent plastic
- X = reservoir for grease
- Y = reservoir for oil
- L = low-level control

w/o Designation = standard 2 l, 4l, 8l

- BO = filling from top
- FL = flat reservoir (2 l only without low-level)

Pump Elements

- 1-3 = number of pump elements
- K5 = piston diameter = 5 mm
- K6 = piston diameter = 6 mm
- K7 = piston diameter = 7 mm
- KR = adjustable pump element piston diameter = 7 mm
- B7 = piston diameter = 7 mm (output of K5)
- S7 = piston diameter = 7 mm (food grade applications)

Operating Voltage

- AC = 110–240 VAC +/- 10%, 50–60 Hz +/- 5% (with 24 VDC motor)

Number of Possible Connections

- 3A = 3 connections, supply voltage (square plug only) left bottom, illuminated push button + low-level (bayonet plug) left bottom and piston detector (bayonet plug) right top

Type of Connection

- 1 = square type plug (DIN EN 175301-803, Type A)
- 6 = bayonet plug, 7/5 pole, DIN 72585-1

Connection Outside of the Pump

- 15 = bayonet socket with 10 m cable, 7/5 core

PCB 12 VDC / 24 VDC

M08–M23 = with microprocessor (various settings, see jumper configurations)

Subject to change

Identification Code: P 223 and P 233 - VDC



Examples of Model Designation

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P223-	2	X	L	-	1	K6-	24-	2A	6.	15-	MF01
P233-	4	X	L	BO	1	KR-	24-	2A	6.	15-	MDF01
P223-	2	X	L	-	2	K5-	12-	2A	6.	15-	MF01
P223-	8	X	L	BO	1	K7-	24-	2A	6.	15-	MF01
P233-	2	X	L	-	1	K6-	24-	2A	6.	15-	MDF01

Basic Pump Model for Grease

with 1 – 3 outlets and
12 / 24 VDC motor
P 223 = Pump w/o Data Logger
P 233 = Pump w. Data Logger

Reservoir Design

2 = 2 l transparent plastic
4 = 4 l transparent plastic
8 = 8 l transparent plastic
15 = 15 l transparent plastic
X = reservoir for grease
L = low-level control

w/o Designation = standard 2 l, 4l, 8l

BO = filling from top

Pump Elements

1-3 = number of pump elements
K5 = piston diameter = 5 mm
K6 = piston diameter = 6 mm
K7 = piston diameter = 7 mm
KR = adjustable pump element
piston diameter = 7 mm
B7 = piston diameter = 7 mm
(output of K5)
S7 = piston diameter = 7 mm
(food grade applications)

Operating Voltage

12 VDC, 24 VDC

Number of Possible Connections

2A = 1 connection (left) for supply voltage, external illuminated push button for additional cycle and fault indication, low-level + 2nd connection (right) for piston detector ¹

Type of Connection

1 = bayonet plug, 7/5 pole, DIN 72585-1

Connection Outside of the Pump

15 = bayonet socket with 10 m cable, 7/5 core

PCB 12 VDC / 24 VDC

MF01 = with microprocessor and touch pad
MDF01 = with microprocessor, data logger and touch pad

¹ Piston detector, bayonet plug 4 pole

Identification Code: P 223 and P 233 - VAC



Examples of

Model Designation

Note: All pumps that vary from the listed standard pumps can be built-up and ordered based on the valid identification code.

P223-	2	X	L	-	1	K6-	AC-	3A	6.	15-	MF01
P233-	4	X	L	BO	1	KR-	AC-	3A	6.	15-	MDF01
P223-	2	X	L	-	2	K5-	AC-	3A	6.	15-	MF01
P223-	8	X	L	BO	1	K7-	AC-	3A	6.	15-	MF01
P233-	2	X	L	-	1	K6-	AC-	3A	6.	15-	MDF01

Basic Pump Model

for Grease

with 1 – 3 outlets and

12 / 24 VDC motor

P 223 = Pump w/o Data Logger

P 233 = Pump w. Data Logger

Reservoir Design

2 = 2 l transparent plastic

4 = 4 l transparent plastic

8 = 8 l transparent plastic

15 = 15 l transparent plastic

X = reservoir for grease

L = low-level control

w/o Designation = standard 2 l, 4l, 8l

BO = filling from top

FL = flat reservoir

(2 l only without low-level,
not for oil)

Pump Elements

1-3 = number of pump elements

K5 = piston diameter = 5 mm

K6 = piston diameter = 6 mm

K7 = piston diameter = 7 mm

KR = adjustable pump element
piston diameter = 7 mm

B7 = piston diameter = 7 mm
(output of K5)

S7 = piston diameter = 7 mm
(food grade applications)

Operating Voltage

AC = 110–240 VAC +/- 10%, 50–60 Hz +/- 5%
(with 24 VDC motor)

Number of Possible Connections

3A = 3 connections, supply voltage (square type plug only)
left bottom, illuminated push button + low-level
(bayonet plug) left top and piston detector
(bayonet plug) right top

Type of Connection

1 = square plug (DIN EN 175301-803, Type A)

6 = bayonet plug, 7/5 pole, DIN 72585-1

Connection Outside of the Pump

00 = without connection socket and without cable (special)

15 = bayonet socket with 10 m cable, 7/5 core, connection
for low-level and illuminated push button.

PCB 12 VDC / 24 VDC

MF01 = with microprocessor and touch pad

MDF01 = with microprocessor, data logger and touch pad

Subject to change