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

Examples of Model Designation
P203- 2 X N - 1 K8- 2A 1. 10-
P203- 4 X N BO 1 KR- 2A 1. 10-
P203- 4 X N - 2 K8- 1A 1. 10-
P203- 8 X N BO 1 K8- 2A 1. 10-
P203- 4 Y L BO 1 K7- 1A 1. 10-

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

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, 4 l, 8 l
BO = filling from top
BF = reservoir with follower plate
FL = flat reservoir
(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 voltage
1A = 1 connection (left), supply voltage
1A = 1 connection (left), supply voltage
remote control for additional lubrication, low-level
2A = 2 connections, supply voltage left + remote control for additional lubrication, low-level (right)

Type of Connection
1 = square type plug, acc to DIN EN 175301-803 type A without cable
5 = bayonet plug, 4/3 pole, DIN 72585-1^2 (V10-V13, V20-V23, H)
(only for mobile applications)
7 = bayonet plug, 7/6 pole, DIN 72585-1^2 (V10-V13, V20-V23)
(only for mobile applications)

Connection Outside of the Pump
D1 = with socket-outlet, without cable
10 = socket-outlet with 10 m cable
11 = socket-outlet with 10 m ADR cable
14 = bayonet socket with 10 m cable, 4/3 pole^2 (V10-V13, V20-V23)
without level control and without remote control lubrication
16 = bayonet socket with 10 m cable, 7/6 pole^2 (V10-V13, V20-V23)
with level control or with remote control lubrication
17 = bayonet socket with 10 m ADR cable^, 4/3 pole^2 (V10-V13, H)

V10 - V13 with adjustable run/pause times

H = for trailer or semitrailers

no designation: pump without PCB

^1 The numbers must correspond to the connector plugs /^2 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

P203-  2  X  L  -  1  K5-  24-  2A  6.  15-  M10
P203-  4  X  L  BO  1  K5-  24-  2A  6.  15-  M10
P203-  2  X  L  -  2  K5-  12-  2A  6.  15-  M12
P203-  8  X  L  BO  1  K5-  24-  2A  6.  15-  M08
P203-  4  Y  L  BO  1  K7-  12-  2A  6.  15-  M16
P203-  2  X  L  -  1  K5-  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, 4 l, 8 l
BO = filing 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) *** and piston detector (right)  

Type of Connection
6 = bayonet plug, 7/5 pole, DIN 72585-1, (M08-M23)

Connection Outside of the Pump
15 = bayonet socket with 10 m cable, 7/5 core, M08-M23

PCB 12 VDC / 24 VDC
M08-M23 = with microprocessor 3 (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

<table>
<thead>
<tr>
<th>Example</th>
<th>P203-</th>
<th>X</th>
<th>N</th>
<th>1</th>
<th>KS-</th>
<th>AC-</th>
<th>1A</th>
<th>1, 01-</th>
<th>V10</th>
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</thead>
<tbody>
<tr>
<td>P203-2</td>
<td>X</td>
<td>N</td>
<td>-</td>
<td>1</td>
<td>KS-</td>
<td>AC-</td>
<td>1A</td>
<td>1, 01-</td>
<td>V12</td>
</tr>
<tr>
<td>P203-2</td>
<td>X</td>
<td>N</td>
<td>-</td>
<td>2</td>
<td>KS-</td>
<td>AC-</td>
<td>1A</td>
<td>1, 01-</td>
<td>V11</td>
</tr>
<tr>
<td>P203-8</td>
<td>X</td>
<td>L</td>
<td>BO</td>
<td>1</td>
<td>KS-</td>
<td>AC-</td>
<td>2A</td>
<td>6, 16-</td>
<td>V20</td>
</tr>
<tr>
<td>P203-4</td>
<td>Y</td>
<td>L</td>
<td>BO</td>
<td>1</td>
<td>KS-</td>
<td>AC-</td>
<td>1A</td>
<td>1, 01-</td>
<td>V11</td>
</tr>
<tr>
<td>P203-2</td>
<td>X</td>
<td>L</td>
<td>-</td>
<td>1</td>
<td>KS-</td>
<td>AC-</td>
<td>2A</td>
<td>7, 16-</td>
<td>V10</td>
</tr>
</tbody>
</table>

- 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
  - 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 bottom
  - 2A = 2 connections, supply voltage (only square plug) left bottom, or (bayonet) left top, or illuminated push button + low-level (bayonet), left top
- Type of Connection
  - 1 = square type plug (DIN EN 175 301-803, Type A)
  - 5 = bayonet plug, 4/3 pole, DIN 72585-1
  - 7 = bayonet plug, 7/6 pole, DIN 72585-1
- Connection Outside of the Pump
  - 04 = with socket, without cable
  - 14 = bayonet socket with 10 m cable, 4/3 core, V10-V13, V20-V23, connection for low-level without illuminated push button
  - 16 = bayonet socket with 10 m cable, 7/6 core, 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, 8 l
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
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.

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
KR = piston diameter = 7 mm
B7 = piston diameter = 7 mm
S7 = piston diameter = 7 mm
(output of K5)

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

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.

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, 4 l, 8 l
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
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