## SIEMENS

## Data sheet

## 6ES7132-6BF01-0AA0



SIMATIC ET 200SP, Digital output module, DQ 8x 24V DC/0,5A Basic, Source output (PNP,P-switching) Packing unit: 1 piece, fits to BU-type A0, Colour Code CC02, substitute value output, module diagnostics for: supply voltage

Product type designation     DQ &&24/DC/0.5A BA       HW functional status     From FSQ2       Firmware version     V0.0       • FW update possible     No       usable BaseUnits     BU type A0       Color code for module-specific color identification plate     CC02       Product function     CC02       Product function     CC02       Product function     CC02       Product function     No       • Isoftronous mode     No       Engineering with     V14       • STEP 7 TA Portal configurable/integrated from version     V5.5 SP3       • PROFIBUS from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher       • DQ     Yes       • DQ     Yes       • DQ     Yes       • DQ     Yes       • DQ     No       • DQ with energy-saving function     No       • PWM     No       • Oversampling     No       • MSO     No       Supply votage     Z4 V       Permissible range, lower limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Ucurrent consumption, max.       Current consumption, max.     45 mA; without load       Output votage / header     Power loss.       Power loss. <th>General information</th> <th></th>	General information	
Firmware version     V0.0       • FW update possible     No       vable BaseUnits     BU type A0       Color code for module-specific color identification plate     CC02       Product function     Color code for module-specific color identification plate     CC02       Product function     No     No       • I&M data     Yes; I&M0 to I&M3     Isochronous mode       • ISTEP 7 IA Portal configurable/integrated from version     V14     STEP 7 Talk Portal configurable/integrated from version       • PROFIBUS from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher     POFINET from GSD version/GSD revision       • DQ     PROFINET from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher       • DQ     Yes     No       • DQ with energy-saving function     No       • DQ with energy-saving function     No       • DQ with energy-saving function     No       • Oversampling     No       • MSO     No       Supply vortage     Z4 V       Permissible range, upper limit (DC)     19.2 V       permissible range, upper limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Current consumption, max.       45 mA; without load     Output voltage / header       Power loss, typ.     1 W	Product type designation	DQ 8x24VDC/0.5A BA
• FW update possible         No           usable BaseUnits         EU type A0           Color code for module-specific color identification plate         CO202           Preduct function         ************************************	HW functional status	From FS02
usable BaseUnits         BU type A0           Color code for module-specific color identification plate         CC02           Product function         CC02           • I&M data         Yes; I&M0 to I&M3           • ISchronous mode         No           Engineering with         STEP 7 TA Portal configurable/integrated from version         V14           • STEP 7 TA Portal configurable/integrated from version         V5.5 SP3           • PROFIBUS from GSD version/GSD revision         One GSD file each, Revision 3 and 5 and higher           • DQ         Yes           • SO         No           Supply voltage         Rated value (DC)           Permissible range, lower limit (DC)         24 V           permissible range, upper limit (DC)         28.8 V           Reverse polarity protection         Yes           Input current         Current consumption, max.           Current consumption, max.         45 mA; without load           Cutput voltage / header         Power loss           Power loss, typ.         1 W           Address space per module, max.         1 byte           Address space p	Firmware version	V0.0
Color code for module-specific color identification plate       CC02         Product function          • I&M data       Yes; I&M0 to I&M3         • is cohronous mode       No         Engineering with          • STEP 7 TIA Portal configurable/integrated from version       V14         • STEP 7 configurable/integrated from version       V5.5 SP3         • PROFIBUS from GSD version/GSD revision       One GSD file each, Revision 3 and 5 and higher         • DQ       Yes         • DQ       Yes         • DQ       Yes         • DQ       Yes         • DQ with energy-saving function       No         • PWM       No         • Oversampling       No         • MSO       No         Supply voltage          Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, lower limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current          Current consumption, max.       45 mA; without load         output voltage / header          Power loss, typ.       1 W         Address space per module	FW update possible	No
Product function     Ves: I&M 0 to I&M3       • I&M data     Yes: I&M 0 to I&M3       • Isochronous mode     No       Engineering with     V14       • STEP 7 TA Portal configurable/integrated from version     V5.5 SP3       • PROFIBUS from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher       • PROFINET from GSD version/GSD revision     GSDML V2.3       Operating mode     Ves       • DQ     Yes       • DQ     Yes       • DQ with energy-saving function     No       • NSO     No       Supply voltage     Rated value (DC)       permissible range, lower limit (DC)     19.2 V       permissible range, upper limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Current consumption, max.       Current consumption, max.     45 mA; without load       Output voltage / header     Power loss, typ.       Power loss, typ.     1 W       Address space per module, max.     1 byte       Hardware configuration     Yes       Address space per module     Yes       • Mechnical coding element     Yes	usable BaseUnits	BU type A0
• I&M data     Yes; I&M0 to I&M3       • Isochronous mode     No       Engineering with     •       • STEP 7 TA Portal configurable/integrated from version     V14       • STEP 7 configurable/integrated from version     V5.5 SP3       • PROFIBUS from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher       • PROFIND from GSD version/GSD revision     GSDML V2.3       Operating mode     •       • DQ     Yes       • DQ with energy-saving function     No       • VPWM     No       • Oversampling     No       • MSO     No       • Supply voltage     Rated value (DC)       Permissible range, lower limit (DC)     28.8 V       Perser polarity protection     Yes       Input current     Current consumption, max.       Address space per module     45 mA; without load       output voltage / header     -       Rated value (DC)     24 V       Power loss, typ.     1 W       Address space per module     -       • Address space per module     -       • Address space per module     -       • Address space per module     Yes       • Mechanical coding element     Yes	Color code for module-specific color identification plate	CC02
• Isochronous mode     No       Engineering with     •       • STEP 7 TIA Portal configurable/integrated from version     V14       • STEP 7 configurable/integrated from version     V55 SP3       • PROFIBUS from GSD version/GSD revision     One GSD file each, Revision 3 and 5 and higher       • PROFINET from GSD version/GSD revision     GSDML V2.3       Operating mode     •       • DQ     Yes       • DQ     Yes       • DQ     Yes       • DQ with energy-saving function     No       • VVM     No       • OVersampling     No       • MSO     No       Supply voltage     Text State       Rated value (DC)     24 V       permissible range, upper limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Text State       Current consumption, max.     45 mA; without load       output voltage / header     Text State       Power loss, typ.     1 W       Address space per module     -       • Address space per module     1 byte       Hardware configurable     Yes       • Mechanical coding element     Yes	Product function	
Engineering with       V14         • STEP 7 TIA Portal configurable/integrated from version       V14         • STEP 7 configurable/integrated from version       V5.5 SP3         • PROFIBUS from GSD version/GSD revision       One GSD file each, Revision 3 and 5 and higher         • PROFINET from GSD version/GSD revision       GSDML V2.3         Operating mode       Ves         • DQ       Yes         • DQ with energy-saving function       No         • PWM       No         • Oversampling       No         • MSO       No         Supply voltage       Z4 V         Permissible range, lower limit (DC)       24 V         permissible range, lower limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       Current consumption, max.         Cutrent consumption, max.       45 mA; without load         output voltage / header       Address area         Address space per module       1 W         Address space per module       1 byte         Hardware configurable;       Yes         No       Yes         Power loss, typ.       1 byte         Hardware configurable;       Yes         Nodterss space per module, max.       1 byte <td>• I&amp;M data</td> <td>Yes; I&amp;M0 to I&amp;M3</td>	• I&M data	Yes; I&M0 to I&M3
• STEP 7 TIA Portal configurable/integrated from version       V14         • STEP 7 configurable/integrated from version       V5.5 SP3         • PROFIBUS from GSD version/GSD revision       One GSD file each, Revision 3 and 5 and higher         • PROFINET from GSD version/GSD revision       GSDML V2.3         Operating mode       •         • DQ       Yes         • DQ with energy-saving function       No         • PWM       No         • Oversampling       No         • MSO       No         Supply voltage	Isochronous mode	No
• STEP 7 configurable/integrated from version     V5.5 SP3       • PROFIBUS from GSD version/GSD revision     GSD file each, Revision 3 and 5 and higher       • PROFINET from GSD version/GSD revision     GSDML V2.3       Operating mode     •       • DQ     Yes       • DQ with energy-saving function     No       • PWM     No       • Oversampling     No       • MSO     No       Supply voltage     Ves       Rated value (DC)     24 V       permissible range, lower limit (DC)     19.2 V       permissible range, lower limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Current consumption, max.       Address space per module     1 W       Address space per module, max.     1 byte       Hardware configuration     Yes       Address space per module, max.     1 byte       Hardware configuration     Yes       • Address space per module, max.     1 byte       Hardware configuration     Yes       • Mechanical coding element     Yes	Engineering with	
PROFIBUS from GSD version/GSD revision     GSD file each, Revision 3 and 5 and higher     PROFINET from GSD version/GSD revision     GSDML V2.3  Operating mode      OQ     Yes     DQ    Yes     DQ    Yes     OD    No     Oversampling     No     Oversampling     No     Oversampling     No     Oversampling     No     Supply voltage  Rated value (DC)    24 V  permissible range, lower limit (DC)    19.2 V  permissible range, upper limit (DC)    28.8 V  Reverse polarity protection    Yes  Input current Current consumption, max.    45 mA; without load  output voltage / header Rated value (DC)    24 V  Power loss Power loss, typ.    1 W  Address space per module     Address space per module, max.    1 byte Hardware configuration  Automatic encoding     Yes     Type of mechanical coding element     Yes     Type of mechanical coding element     Type A	<ul> <li>STEP 7 TIA Portal configurable/integrated from version</li> </ul>	V14
PROFINET from GSD version/GSD revision     GSDML V2.3      Operating mode         U         DQ         Ves         DQ with energy-saving function         No         PWM         No         Oversampling         No         Oversampling         No         Supply voltage      Rated value (DC)         Per Missible range, upper limit (DC)         19.2 V         permissible range, upper limit (DC)         28.8 V         Reverse polarity protection         Yes         Ves         Input current         Current consumption, max.         45 mA; without load         output voltage / Header         Rated value (DC)         24 V         Permissible range, upper limit (DC)         28.8 V         Reverse polarity protection         Yes         Input current         Current consumption, max.         45 mA; without load         output voltage / Header         Rated value (DC)         44 V         Permissible range         Address space per module         Address space per module max.         1 byte         Hardware configuration         Automatic encoding         Mechanical coding element         Yes         Type of mechanical coding element         Type A	<ul> <li>STEP 7 configurable/integrated from version</li> </ul>	V5.5 SP3
Operating mode       Ves         • DQ       Yes         • DQ with energy-saving function       No         • PWM       No         • Oversampling       No         • MSO       No         Supply voltage       24 V         Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       24 V         Current consumption, max.       45 mA; without load         output voltage / header       Power loss, typ.         Power loss, typ.       1 W         Address space per module       -         • Address space per module, max.       1 byte         Hardware configuration       Yes         • Mechanical coding element       Yes         • Mechanical coding element       Yes	<ul> <li>PROFIBUS from GSD version/GSD revision</li> </ul>	One GSD file each, Revision 3 and 5 and higher
<ul> <li>DQ</li> <li>Yes</li> <li>DQ with energy-saving function</li> <li>No</li> <li>PWM</li> <li>No</li> <li>Oversampling</li> <li>No</li> <li>No</li> <li>Supply voltage</li> <li>Rated value (DC)</li> <li>24 V</li> <li>permissible range, lower limit (DC)</li> <li>19.2 V</li> <li>permissible range, upper limit (DC)</li> <li>28.8 V</li> <li>Reverse polarity protection</li> <li>Yes</li> <li>Input current</li> <li>Current consumption, max.</li> <li>45 mA; without load</li> <li>output voltage / header</li> <li>Rated value (DC)</li> <li>24 V</li> <li>Power loss</li> <li>Power loss, typ.</li> <li>Address space per module</li> <li>Address space per module, max.</li> <li>1 byte</li> <li>Hardware configuration</li> <li>Attomatic encoding</li> <li>Mechanical coding element</li> <li>Yes</li> <li>Type A</li> </ul>	<ul> <li>PROFINET from GSD version/GSD revision</li> </ul>	GSDML V2.3
• DQ with energy-saving functionNo• PWMNo• OversamplingNo• MSONoSupply voltageRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VReverse polarity protectionYesInput currentCurrent consumption, max.45 mA; without loadoutput voltage / headerRated value (DC)24 VPower loss, typ.1 WAddress space per module• Address space per module, max.1 byteHardware configurationYesAutomatic encoding • Mechanical coding elementYes• Type of mechanical coding elementYes• Type of mechanical coding elementType A	Operating mode	
• PWM     No       • Oversampling     No       • MSO     No       Supply voltage       Rated value (DC)     24 V       permissible range, lower limit (DC)     19.2 V       permissible range, upper limit (DC)     28.8 V       Reverse polarity protection     Yes       Input current     Current consumption, max.       Current consumption, max.     45 mA; without load       output voltage / header     Power loss, typ.       Power loss, typ.     1 W       Address space per module, max.     1 byte       Hardware configuration     Yes       Automatic encoding     Yes       • Mechanical coding element     Yes       • Type of mechanical coding element     Type A	• DQ	Yes
• OversamplingNo• MSONoSupply voltageRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VReverse polarity protectionYesInput currentCurrent consumption, max.Current consumption, max.45 mA; without loadoutput voltage / header24 VPower lossPower loss, typ.Address space per module1 WAddress space per module1 byteHardware configurationYesAutomatic encodingYes• Mechanical coding elementYes• Type of mechanical coding elementType A	<ul> <li>DQ with energy-saving function</li> </ul>	No
• MSO       No         Supply voltage       Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       Current consumption, max.       45 mA; without load         output voltage / header       24 V         Power loss       24 V         Power loss, typ.       1 W         Address space per module       4 byte         • Address space per module, max.       1 byte         Hardware configuration       Yes         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	• PWM	No
Supply voltage         Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       V         Current consumption, max.       45 mA; without load         output voltage / header       V         Rated value (DC)       24 V         Power loss       V         Power loss       V         Address space per module       1 W         Address space per module, max.       1 byte         Hardware configuration       Yes         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Oversampling	No
Rated value (DC)       24 V         permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       V         Current consumption, max.       45 mA; without load         output voltage / header       24 V         Power loss       24 V         Power loss       1 W         Address space per module       1 byte         • Address space per module, max.       1 byte         Hardware configuration       Yes         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	• MSO	No
permissible range, lower limit (DC)       19.2 V         permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       V         Current consumption, max.       45 mA; without load         output voltage / header       24 V         Rated value (DC)       24 V         Power loss       1 W         Address space per module       1 W         Address space per module, max.       1 byte         Hardware configuration       Yes         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Supply voltage	
permissible range, upper limit (DC)       28.8 V         Reverse polarity protection       Yes         Input current       Current consumption, max.         Current consumption, max.       45 mA; without load         output voltage / header       24 V         Power loss       Power loss, typ.         Power loss, typ.       1 W         Address space per module       4 byte         • Address space per module, max.       1 byte         Hardware configuration       Yes         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Rated value (DC)	24 V
Reverse polarity protection       Yes         Input current       45 mA; without load         Current consumption, max.       45 mA; without load         output voltage / header       45 mA; without load         Rated value (DC)       24 V         Power loss       1 W         Address area       1 W         Address space per module       1 byte         Hardware configuration       1 byte         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	permissible range, lower limit (DC)	19.2 V
Input current         Current consumption, max.       45 mA; without load         output voltage / header         Rated value (DC)       24 V         Power loss       1 W         Address area       1 W         Address space per module       1 byte         • Address space per module, max.       1 byte         Hardware configuration       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	permissible range, upper limit (DC)	28.8 V
Current consumption, max.       45 mA; without load         output voltage / header         Rated value (DC)       24 V         Power loss       1         Power loss, typ.       1 W         Address area       4ddress space per module         • Address space per module, max.       1 byte         Hardware configuration       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Reverse polarity protection	Yes
output voltage / header         Rated value (DC)       24 V         Power loss       1         Power loss, typ.       1 W         Address area       1         Address space per module       4         • Address space per module, max.       1 byte         Hardware configuration       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Input current	
Rated value (DC)       24 V         Power loss       1         Power loss, typ.       1 W         Address area       4         Address space per module       4         • Address space per module, max.       1 byte         Hardware configuration       1         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Current consumption, max.	45 mA; without load
Power loss         Power loss, typ.         Power loss, typ.         Address area         Address space per module         • Address space per module, max.         1 byte         Hardware configuration         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	output voltage / header	
Power loss, typ.       1 W         Address area       Address space per module         • Address space per module, max.       1 byte         Hardware configuration       1 byte         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Rated value (DC)	24 V
Address area         Address space per module         • Address space per module, max.         1 byte         Hardware configuration         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Power loss	
Address space per module       1 byte         • Address space per module, max.       1 byte         Hardware configuration       1         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Power loss, typ.	1 W
Address space per module, max.     1 byte  Hardware configuration  Automatic encoding     Ves     Ves     Ves     Type of mechanical coding element     Type A	Address area	
Hardware configuration         Automatic encoding       Yes         • Mechanical coding element       Yes         • Type of mechanical coding element       Type A	Address space per module	
Automatic encoding     Yes       • Mechanical coding element     Yes       • Type of mechanical coding element     Type A	Address space per module, max.	1 byte
Mechanical coding element Yes     Type of mechanical coding element Type A	Hardware configuration	
• Type of mechanical coding element Type A	Automatic encoding	Yes
	Mechanical coding element	Yes
Selection of Pasel Init for connection variants	<ul> <li>Type of mechanical coding element</li> </ul>	Туре А
Selection of Dasconic for connection variants	Selection of BaseUnit for connection variants	

• 1-wire connection	BU type A0
2-wire connection	BU type A0
3-wire connection	BU type A0 with AUX terminals or potential distributor module
• 4-wire connection Digital outputs	BU type A0 + Potential distributor module
	Course output (DND, ourseast coursing)
Type of digital output	Source output (PNP, current-sourcing)
Number of digital outputs	8
Current-sourcing	Yes
Digital outputs, parameterizable	Yes
Short-circuit protection	Yes; per channel, electronic
Response threshold, typ.	1A
Limitation of inductive shutdown voltage to	Typ. L+ (-50 V)
Controlling a digital input	Yes
Switching capacity of the outputs	
<ul> <li>with resistive load, max.</li> </ul>	0.5 A
<ul> <li>on lamp load, max.</li> </ul>	5 W
Load resistance range	
lower limit	48 Ω
upper limit	100 kΩ
Output current	
<ul> <li>for signal "1" rated value</li> </ul>	0.5 A
<ul> <li>for signal "1" permissible range, max.</li> </ul>	0.5 A
<ul> <li>for signal "0" residual current, max.</li> </ul>	10 µA
Output delay with resistive load	
• "0" to "1", max.	100 μs; at rated load
• "1" to "0", max.	150 μs; at rated load
Parallel switching of two outputs	
• for uprating	No
<ul> <li>for redundant control of a load</li> </ul>	Yes
Switching frequency	
with resistive load, max.	100 Hz
with inductive load, max.	2 Hz
on lamp load, max.	10 Hz
Total current of the outputs	10112
· · · · · · · · · · · · · · · · · · ·	0.5.4
Current per channel, max.	0.5 A
• Current per module, max.	4 A
Total current of the outputs (per module)	
horizontal installation	
— up to 60 °C, max.	4 A
vertical installation	
— up to 50 °C, max.	4 A
Cable length	
<ul> <li>shielded, max.</li> </ul>	1 000 m
• unshielded, max.	600 m
Interrupts/diagnostics/status information	
Diagnostics function	Yes
Substitute values connectable	Yes
Alarms	
Diagnostic alarm	Yes
Diagnoses	
<ul> <li>Monitoring the supply voltage</li> </ul>	Yes
Wire-break	No
Short-circuit	No
Group error	Yes
Diagnostics indication LED	
Monitoring of the supply voltage (PWR-LED)	Yes; green PWR LED
Channel status display	Yes; green LED
for channel diagnostics	No
<ul> <li>for module diagnostics</li> </ul>	Yes; green/red DIAG LED

Potential separation channels	
between the channels	No
<ul> <li>between the channels and backplane bus</li> </ul>	Yes
<ul> <li>between the channels and the power supply of the electronics</li> </ul>	No
Isolation	
Isolation tested with	707 V DC (type test)
Standards, approvals, certificates	
Suitable for safety functions	No
Suitable for safety-related tripping of standard modules	Yes; see FAQ Entry ID: 39198632
Ecological footprint	
<ul> <li>environmental product declaration</li> </ul>	Yes
Global warming potential	
— global warming potential, (total) [CO2 eq]	20.4 kg
— global warming potential, (during production) [CO2 eq]	3.16 kg
<ul> <li>— global warming potential, (during operation) [CO2 eq]</li> </ul>	17.5 kg
<ul> <li>— global warming potential, (after end of life cycle) [CO2 eq]</li> </ul>	-0.221 kg
Highest safety class achievable in safety mode	
<ul> <li>Performance level according to ISO 13849-1</li> </ul>	PL d
SIL acc. to IEC 61508	SIL 2
Ambient conditions	
Ambient temperature during operation	
<ul> <li>horizontal installation, min.</li> </ul>	-30 °C; < 0 °C as of FS02
<ul> <li>horizontal installation, max.</li> </ul>	60 °C
<ul> <li>vertical installation, min.</li> </ul>	-30 °C; < 0 °C as of FS02
<ul> <li>vertical installation, max.</li> </ul>	50 °C
Altitude during operation relating to sea level	
<ul> <li>Installation altitude above sea level, max.</li> </ul>	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual
Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	30 g

last modified:

10/9/2024 🖸