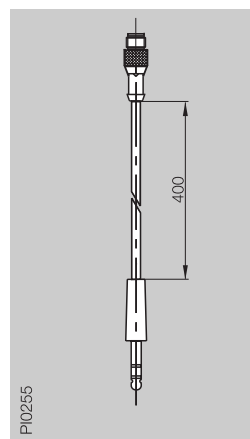
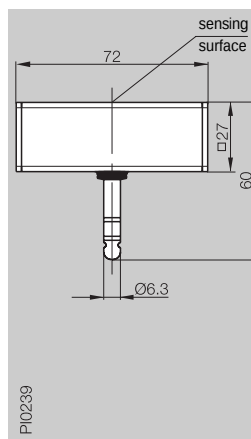
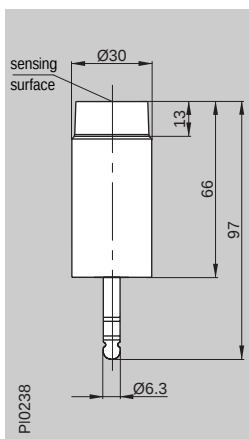
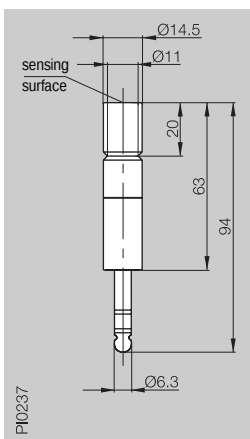


Dimensions	Ø 14,5×63	Ø 30×66	72×27×27	
Housing material	CuZn	POM	PVC	
Antenna type	round	round	rod	
Function	read/write head	read/write head	read/write head	Adapter cable

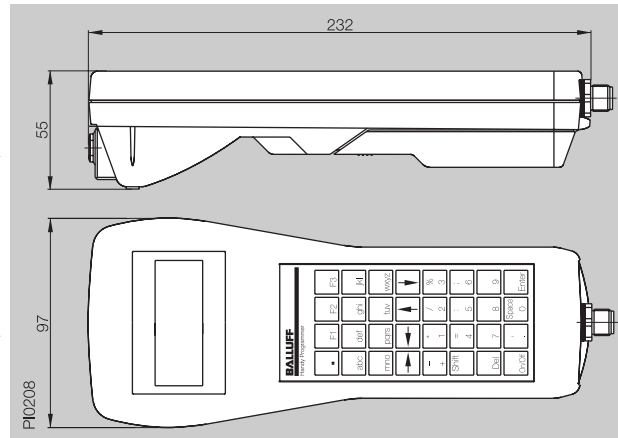
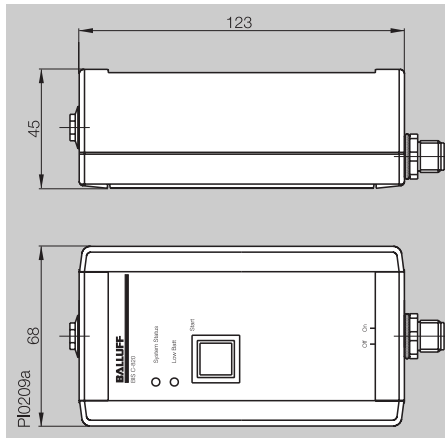


Order code	BIS C-851	BIS C-852	BIS C-853	BIS C-850
Operating temperature	0...+70 °C	0...+70 °C	0...+70 °C	0...+70 °C
Storage temperature	-20...+85 °C	-20...+85 °C	-20...+85 °C	-20...+85 °C
Protection per IEC 60529	IP 67	IP 67	IP 67	IP 67
Read head connection	6.3 mm jack socket	6.3 mm jack socket	6.3 mm jack socket	6.3 mm jack socket
Connection to	BIS C-810 BIS C-820 BIS C-720	BIS C-810 BIS C-820 BIS C-720	BIS C-810 BIS C-820 BIS C-720	BIS C-810 BIS C-820 BIS C-720
appropriate data carriers	BIS C-100 BIS C-103 BIS C-105 BIS C-121 BIS C-122	BIS C-100 BIS C-104 BIS C-108 BIS C-117 BIS C-128 BIS C-130 BIS C-190 BIS C-191	BIS C-150-__/A	

Adapter cable for handy programmer or portable device and all read/write heads with M12 connector.



Function	read/write	read/write
Housing material	ABS	ABS



Order code	BIS C-820	BIS C-810
Keyboard	1 key	32 buttons, alphanumeric
Display	2 LED status/battery	LCD-display, 20 characters/4 line
Supply voltage	2×R6 AA rechargeable NiMH	2.4 V rechargeable battery pack NiMH
Capacity	800 mA/h	1650 mA/h
Interface	RS232/Balluff Dialog	RS232/Balluff Dialog
Operating temperature	0...+50 °C	0...+50 °C
Protection per IEC 60529	IP 40	IP 40
Read head connection	1× 6.3 mm jack socket	1× 6.3 mm jack socket

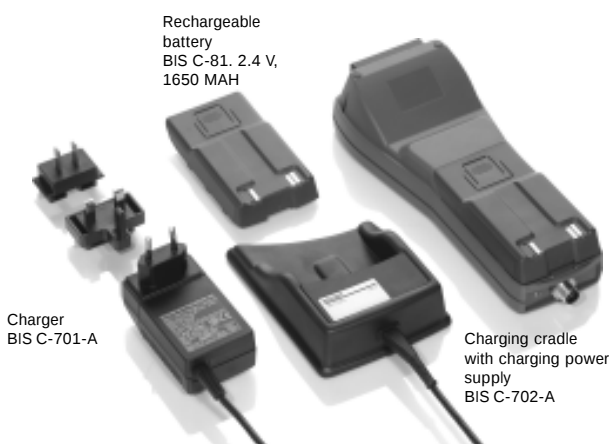
The handy programmer is a service and testing unit for checking and modifying data in data carriers. To operate, a read/write head is plugged into it.

Depending on the version, a particular data carrier type can be directly processed. A built-in RS232 port allows data exchange with a PC. The unit is equipped with a rechargeable battery for portable use on the plant floor.

Customer-specific menus are available. When ordering, please append a D (for German) or E (for English) to the part number.

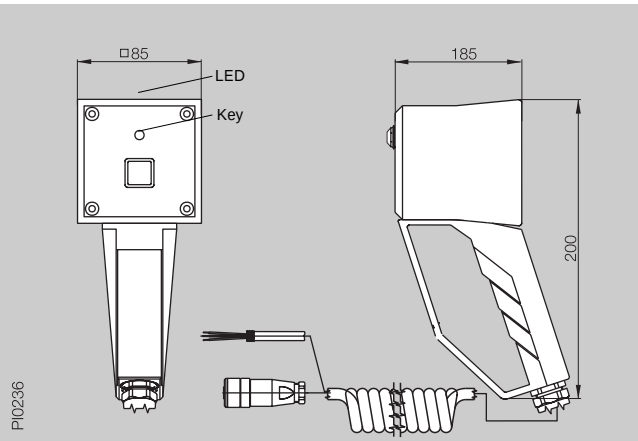


Order accessories separately!
RS232 adapter cable
BIS C-522-PVC-02
page C.55



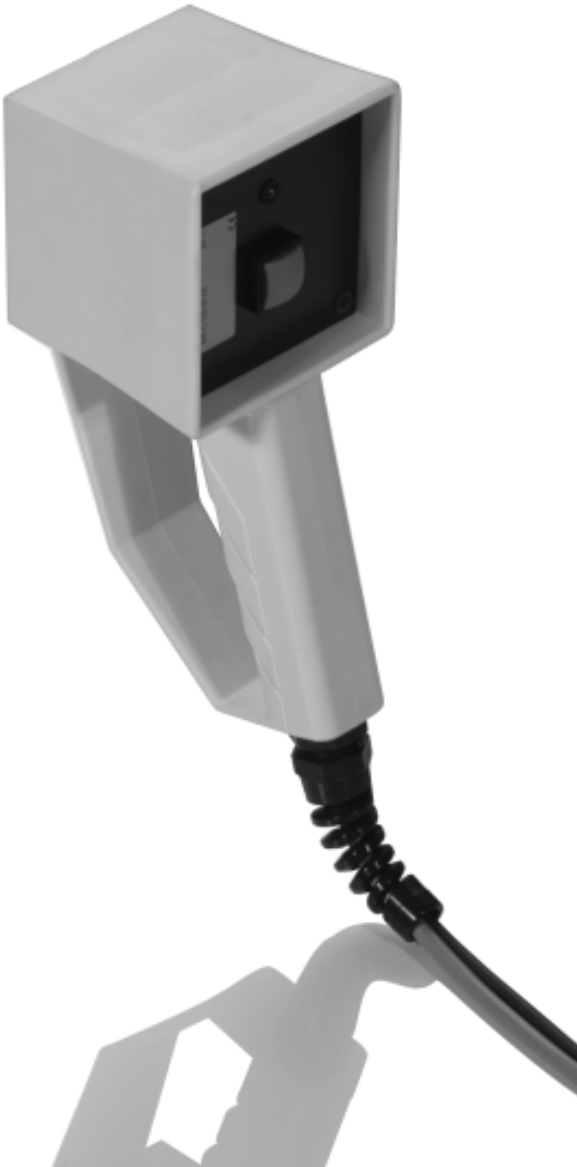
Read/Write Gun

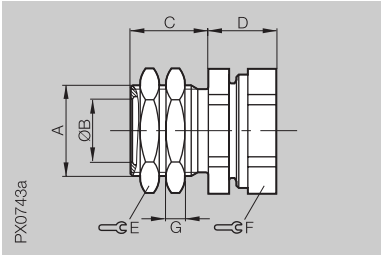
Housing material	PA 6.6



Order code	BIS C-720-01-03
Keyboard	1 key
Display	1 LED
Ambient operating temperature	0...+70 °C
Storage temperature	-20...+85 °C
Protection per DIN 40 050	IP 40
Read head connection	6.3 mm jack socket
Coiled cable extended	3 m
Connection to	Processor and PLC

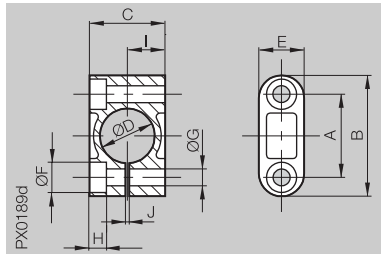
The read gun is very convenient for manual operation. 3 various read/write heads can be plugged in (page C.50). The key is used to start a read/write routine. The LED and integrated buzzer signal the end of the read/write action.





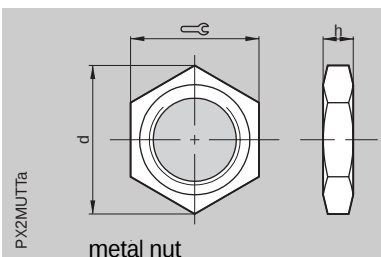
**Clamps with positive stop for read/write heads having
≥ 30 mm thread length (material: nickel plated brass)**

	A	Ø B	C	D max.	E	F	G
BES 18.0-KH-2S	M24×1.5	18	20.5	15.5	SW30	SW30	5
BES 30.0-KH-2S	M36×1.5	30	20.5	15.5	SW41	SW41	6

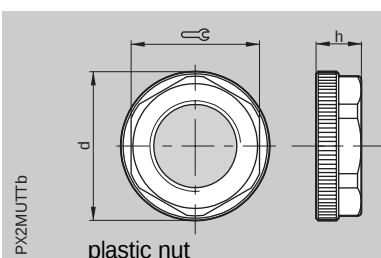


Clamping cuffs

	A	B	C	D	E	F	G	H	I	J
BES 14.5-BS-1	22	32	20	14.5	12	8	4.5	4.5	10	1
BES 16.0-BS-1	26	36	26	16	12	8	4.5	4.5	13	1
BES 18.0-BS-1	26	36	26	17.9	12	8	4.5	4.5	13	1
BES 30.0-BS-1	42	55	38	30	18	10	5.5	5.5	18	1.5

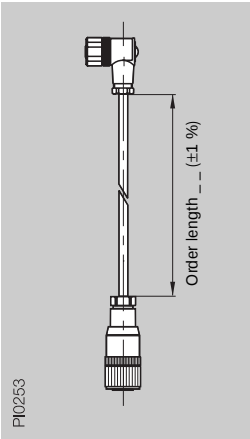
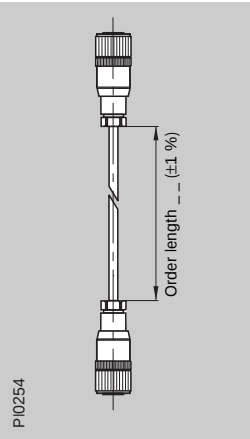
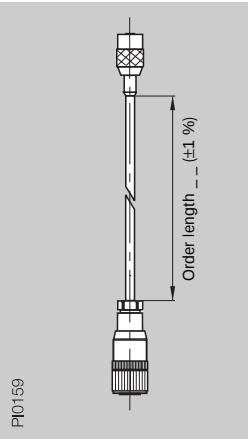
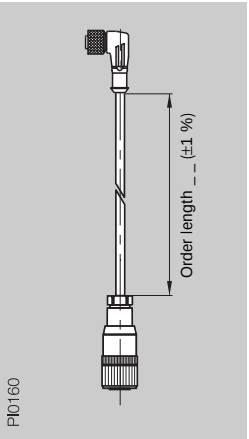


metal nut



plastic nut

	Part no. = Order code	Material	d	SW	h
Metal nuts					
M30×1,5	500252	Ms nickel plated	42	36	5
M16×1	500030	Ms nickel plated	25.5	22	4
Stainless steel nuts					
M18×1	636982	1.4301	28	24	4
M30×1.5	636983	1.4401	42	36	5
Plastic nuts					
M18×1	606841	PA 6.6	28	24	8

Order code	BIS C-517-PVC-__	BIS C-518-PVC-__	BIS C-505-PU-__	BIS C-506-PU-__	
Version	2 connectors M12	2 connectors M12	2 connectors M12	2 connectors M12	
					
	P10253	P10254	P10159	P10160	
Application	for read/write head with S4 connector	for read/write head with S4 connector	for read/write head with S4 connector also available suitable for use as trailing cable	for read/write head with S4 connector also available suitable for use as trailing cable	

Please indicate cable length in ordering code!
The length varies with the read/write head used
(with S4 connector):
01 = Length 1 m, 05 = Length 5 m,
10 = Length 10 m.



BIS C-520-PVC-05	BIS C-521-PVC-02	BIS C-522-PVC-02	BIS C-516-PU-__	
2 connectors M12 with fixed cable length 5 m	MIN D with fixed cable length 2 m	connector M12 and MIN D with fixed cable length 2 m	BKS S 45-00 and BKS S 46-00 with variable cable length	
for read/write head BIS C-355 and adapter BIS C-654	for RS232 connection to PC	for RS232 connection to PC and BIS C-820/810 or BIS C-600-007-...-00 processor	for read/write head BIS C-350 to adapter BIS C-670	

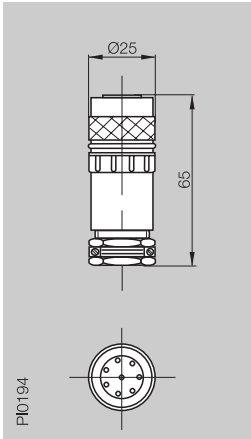
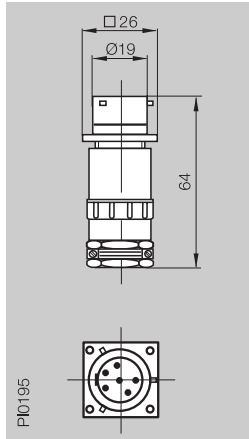
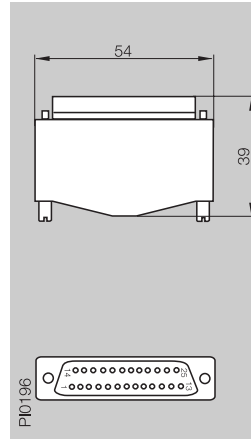
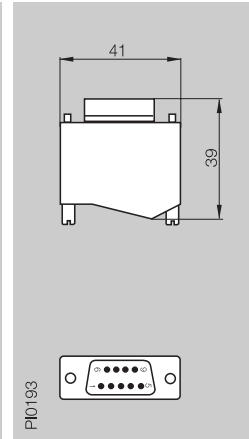
Please indicate cable
length in ordering code!

05 = Length 5 m,
10 = Length 10 m,
15 = Length 15 m,
20 = Length 20 m,
30 = Length 30 m,
40 = Length 40 m,
50 = Length 50 m,
75 = Length 75 m,
100 = Length 100 m.

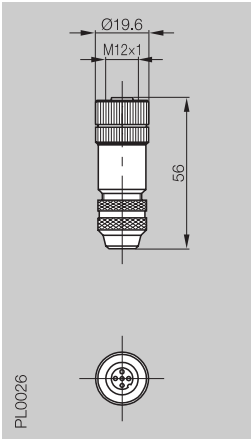
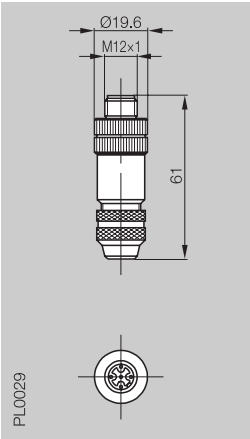
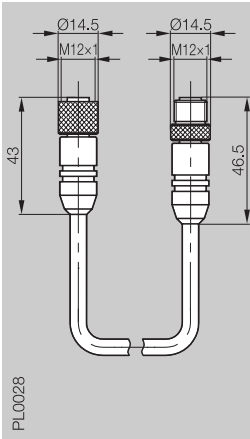
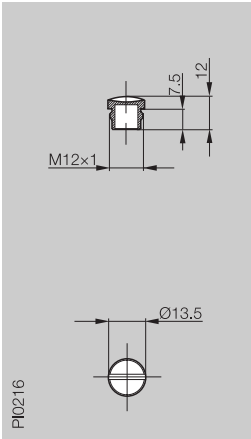
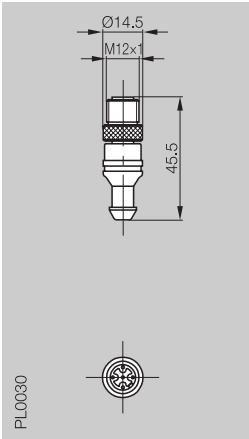


BIS C

Data Carriers
Read/Write
Heads
Data Coupler
Adapter and
Read/Write
Head
integrated
8-bit
Read-Only
System
Compact-
Processors
Metal Housing
Processors
Compact
Processors for
Simultaneous
Mode
Metal Housing
Processors
for
Simultaneous
Mode
Handy
Programmer
Read/Write
Guns,
Mounting
Cuffs
**Connector
Cables with
Connectors**
Connectors,
Termination
Resistor
Installation
Notes
Read/Write
Times
Software,
Service Tools

Order code	BKS-S 45-00	BKS-S 46-00	BKS-S 52-00	BKS-S 43-00	
Version	for connecting to read/write head BIS C-35_	for extension with BKS-S 45-00	for processors BIS C-605-...	for PC interface	
					
Connector type	round-connector	round-connector	MIN D-plug	MIN D-plug	
Version	8-pin, female	6-pin, male	25-pin, female	9-pin, male	
recommended cable	LiYCY-0	LiYCY-0	LiYCY-0	LiYCY-0	
Conductor cross section	0.52 mm ²	0.52 mm ²	0.5 mm ²	0.5 mm ²	
Protection* per IEC 60529	IP 65	IP 65	IP 40	IP 40	
ambient temperature range	-55...+125 °C	-55...+125 °C	-40...+85 °C	-40...+85 °C	
*only when connected					

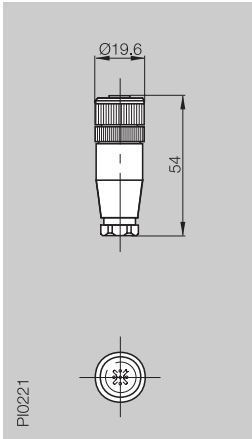
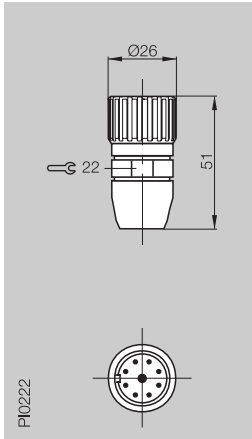
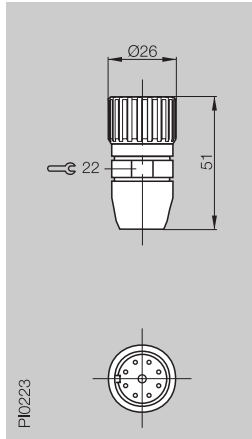
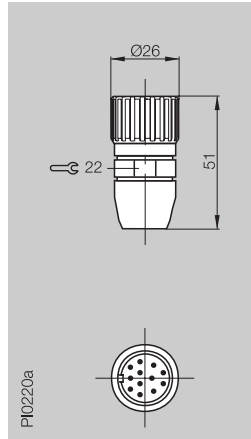


BKS-S103-00 for connecting PROFIBUS-DP	BKS-S105-00 for connecting PROFIBUS-DP	BKS-S103/GS103-CP- PROFIBUS-DP extension cable	BKS 12-CS-01 IP 65 protective cap for unused terminals	BKS-S105-R01 PROFIBUS-DP termination resistor
				
M12 B-coded 5-pin, female	M12 B-coded 5-pin, male	M12 B-coded male, female	M12 B-coded	M12 B-coded 5-pin, male
IP 67 -40...+85 °C	IP 67 -40...+85 °C	2 × 0.64 mm ² IP 67 -40...+85 °C	-40...+85 °C	IP 67 -40...+85 °C

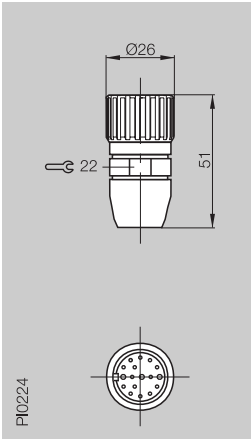
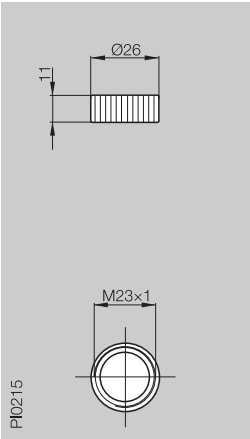
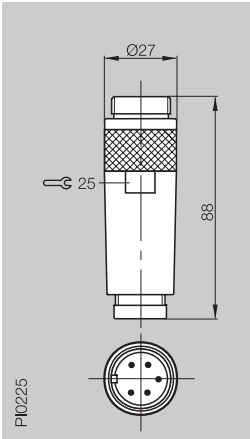
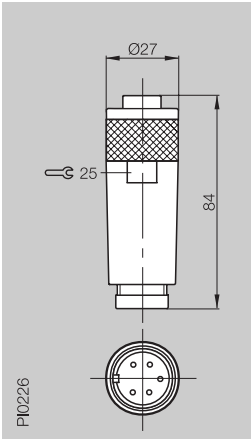
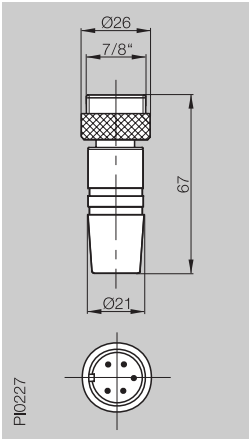
Please indicate cable
length in ordering code!
00.3 = Length 0.3 m
02 = Length 2 m
05 = Length 5 m
10 = Length 10 m


BIS C

Data Carriers
Read/Write
Heads
Data Coupler
Adapter and
Read/Write
Head
integrated
8-bit
Read-Only
System
Compact-
Processors
Metal Housing
Processors
Compact
Processors for
Simultaneous
Mode
Metal Housing
Processors
for
Simultaneous
Mode
Handy
Programmer
Read/Write
Guns,
Mounting
Cuffs
Connector
Cables with
Connectors
**Connectors,
Termination
Resistor**
Installation
Notes
Read/Write
Times
Software,
Service Tools

Order code	BKS-S 79-00	BKS-S 83-00	BKS-S 84-00	BKS-S 86-00	
Version	for connection to processors BIS C-** supply voltage or BIS C-603 DeviceNet	for connection to processors BIS C-621 output, BIS C-6021 output	for connection to processors BIS C-621 input, BIS C-6021 input, BIS C-620 or BIS C-625 serial data	for connection to processors BIS C-622, BIS C-6022 ... ST10 input or/and output	
					
Connector type	round-connector	round-connector	round-connector	round-connector	
Version	5-pin, female	9-pin, male	9-pin, female	12-pin, male	
recommended cable	LiYCY-0	LiYCY-0	LiYCY-0	LiYCY-0	
Conductor cross section	0.34 mm ²	0.5 mm ²	0.5 mm ²	0.5 mm ²	
Protection* per IEC 60529	IP 67	IP 67	IP 67	IP 67	
ambient temperature range	-40...+85 °C	-40...+85 °C	-40...+85 °C	-40...+125 °C	
*only when connected	** BIS C-620 BIS C-621 BIS C-622 BIS C-623 BIS C-625 BIS C-6002 BIS C-6003 BIS C-6021 BIS C-6022 BIS C-6023				

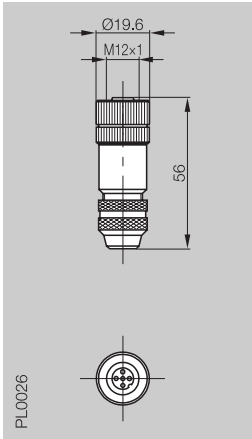
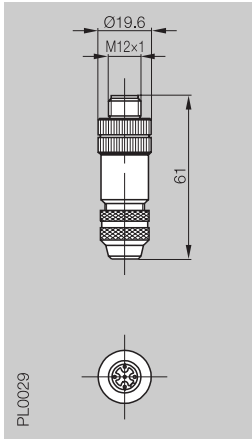
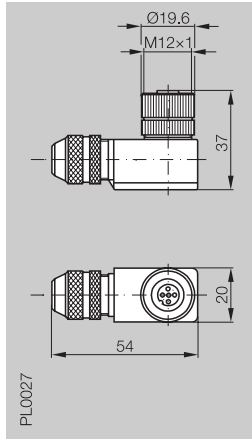
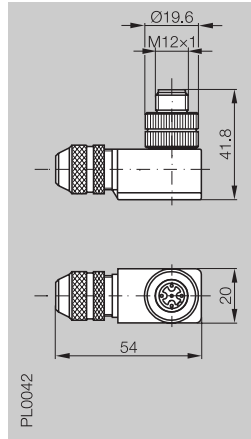


BKS-S 87-00	BKS 23-CS-00	BKS-S 98-00	BKS-S 99-00	BKS-S 98-R01
for connection to processors BIS C-625 serial data	IP 65 threaded cover for unused terminals!	for connection to processors BIS C-6023 DeviceNet	for connection to processors BIS C-6023 DeviceNet	termination resistor for processors BIS C-6023 DeviceNet
				
round-connector 19-pin, female LiYCY-0 0.5 mm ² IP 65 -55...+125 °C		round-connector 5-pin, male LiYCY-0 0.5 mm ² IP 67 -40...+90 °C	round-connector 5-pin, female LiYCY-0 0.5 mm ² IP 67 -40...+90 °C	round-connector 5-pin, male IP 67 -40...+85 °C

BIS C

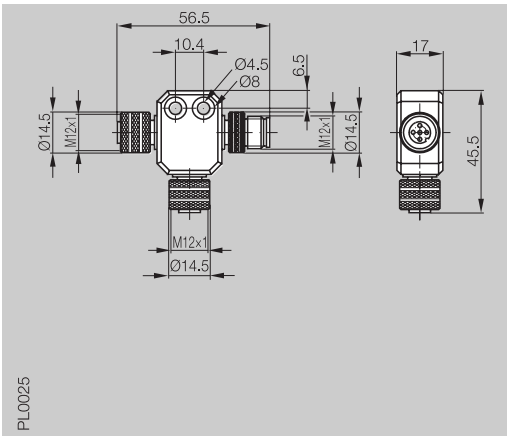
Data Carriers
 Read/Write
 Heads
 Data Coupler
 Adapter and
 Read/Write
 Head
 integrated
 8-bit
 Read-Only
 System
 Compact-
 Processors
 Metal Housing
 Processors
 Compact
 Processors for
 Simultaneous
 Mode
 Metal Housing
 Processors
 for
 Simultaneous
 Mode
 Handy
 Programmer
 Read/Write
 Guns,
 Mounting
 Cuffs
 Connector
 Cables with
 Connectors
**Connectors,
Termination
Resistor**
 Installation
 Notes
 Read/Write
 Times
 Software,
 Service Tools



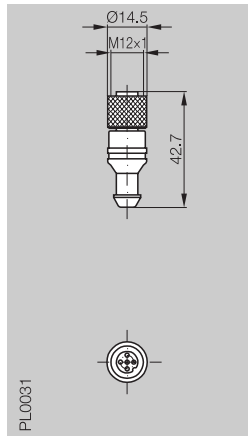
Order code	BKS-S 92-00	BKS-S 94-00	BKS-S 93-00	BKS-S 95-00	
Version	BIS C-6003-...	BIS C-6003-...	BIS C-6003-...	BIS C-6003-...	
					
Connector type	round-connector	round-connector	round-connector	round-connector	
Version	5-pin, female	5-pin, male	5-pin, right angle, female	5-pin, right angle, male	
Cable diameter	6...8 mm	6...8 mm	6...8 mm	6...8 mm	
No. of wires × conductor cross section					
Protection per IEC 60529	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	
Resistor					

Pin assignments	BKS-S 92-00/-S 93-00/ -S 94-00/-S 95-00		BKS-S 92-R01/ -S 94-R01	
	Pin	Signal	Pin	Signal
 View of female coupling side	1	Drain	1	—
	2	V+	2	—
	3	V-	3	—
	4	CAN_H	4	121 Ohm
	5	CAN_L	5	121 Ohm

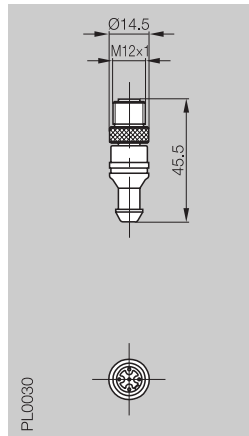


BKS-S 92-TA1
BIS C-6003-...

round-connector
T-splitter, 2 × female, 1 × male

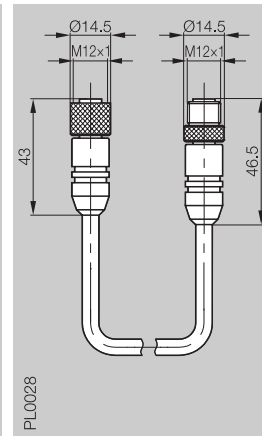
IP 65

BKS-S 92-R01
BIS C-6003-...

round-connector
termination resistor, female

IP 68
121 Ohm

BKS-S 94-R01
BIS C-6003-...

round-connector
termination resistor, male

IP 68
121 Ohm

BKS-S 92-16/GS92-
BIS C-6003-...

round-connector
male/female extension

 $5 \times 0.34 \text{ mm}^2$
IP 67

Please indicate cable
length in ordering code!
02 = Length 2 m
05 = Length 5 m
10 = Length 10 m

BIS C

Data Carriers
Read/Write
Heads
Data Coupler
Adapter and
Read/Write
Head
integrated
8-bit
Read-Only
System
Compact-
Processors
Metal Housing
Processors
Compact
Processors for
Simultaneous
Mode
Metal Housing
Processors
for
Simultaneous
Mode
Handy
Programmer
Read/Write
Guns,
Mounting
Cuffs
Connector
Cables with
Connectors
**Connectors,
Termination
Resistor**
Installation
Notes
Read/Write
Times
Software,
Service Tools



Installation in Steel

Clear zone dimensions for components with rod antenna or air coil.

Data carriers	Fig.	Dimensions (in mm)			
		A	B	C	D
BIS C-100-05/A	–	0	0	0	0
BIS C-103- /A	–	0	0	0	0
BIS C-104- /A	–	0	0	0	0
BIS C-105- /A	–	0	0	0	0
BIS C-108- /L	–	0	0	0	0
BIS C-117-05/A	–	0	0	0	0
BIS C-117-05/L	5	60	–	–	20
BIS C-121-04/L	–	0	0	0	0
BIS C-122- /L	–	0	0	0	0
BIS C-127-05/L	4	30	30	–	30
BIS C-128- /L	5	60	–	–	20
BIS C-130-05/L	5	70	–	–	2
BIS C-133- /L	–	0	0	0	0
BIS C-150- /A	1	20	20	22	–
BIS C-190- /L	3	20	17	20	–
BIS C-191- /L	3	9	27	9	–

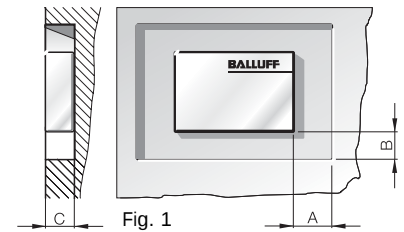


Fig. 1

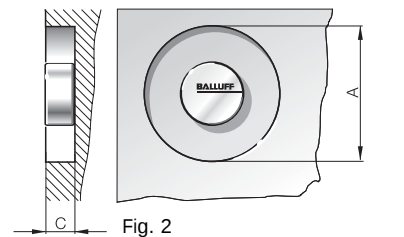


Fig. 2

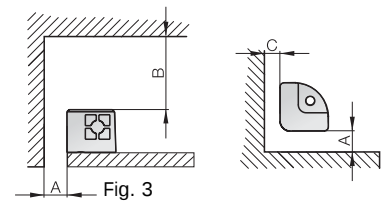


Fig. 3

Read/write heads	Fig.	Dimensions (in mm)		
		A	B	C
BIS C-300	–	0	0	0
BIS C-302	–	0	0	0
BIS C-305	–	0	0	0
BIS C-306	–	0	0	0
BIS C-310	2	60	–	13
BIS C-315	–	0	0	0
BIS C-318	1	50	50	30
BIS C-319	2	50	–	35
BIS C-323	2	60	–	13
BIS C-324	1	0	0	0
BIS C-325	2	0	0	0
BIS C-326	2	80	–	35
BIS C-350	1	60	50	60
BIS C-351	1	100	60	50

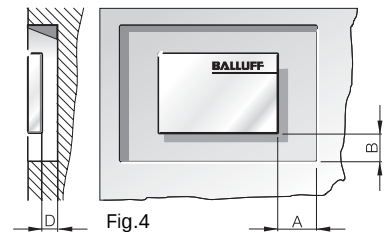


Fig. 4

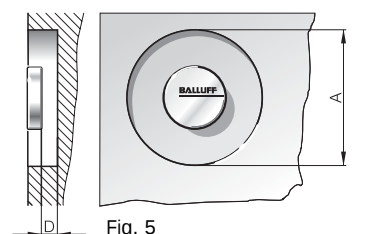


Fig. 5

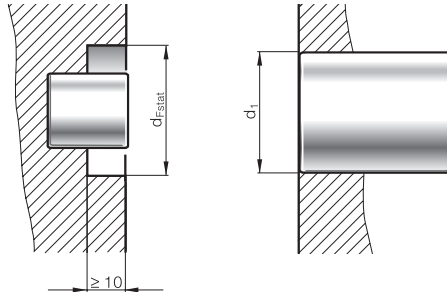
Note

Depending on the combination of read/write head and data carrier, clear zone dimension A and B should always be selected for the larger of the components.

**Installation in
Aluminum**

**With clear Zone,
Static Operation**

In order to ensure static operation with no limitations, a clear zone around the smaller of the two communications partners must be created (data carriers or read/write head).



For the diameter of the clear zone, calculate
 $d_{Fstat} \geq d_1 + \Delta_M$

Example:

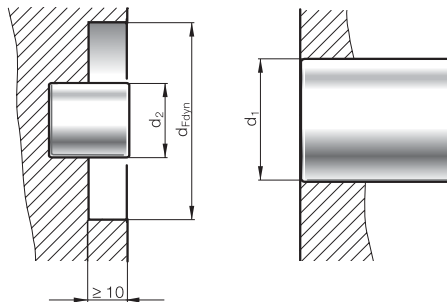
$$d_1 = 30 \text{ mm}$$

$$\Delta_M = \pm 3 \text{ mm} = 6 \text{ mm}$$

$$d_{Fstat} \geq 30 \text{ mm} + 6 \text{ mm} = 36 \text{ mm}$$

**With clear Zone,
Dynamic Operation**

In order to ensure dynamic operation with no limitations, a clear zone around the smaller of the two communications partners must be created (data carriers or read/write head).



For the diameter of the clear zone d_{Fdyn} calculate:

in direction of motion: $d_{Fdyn} \geq 2d_1 + d_2$

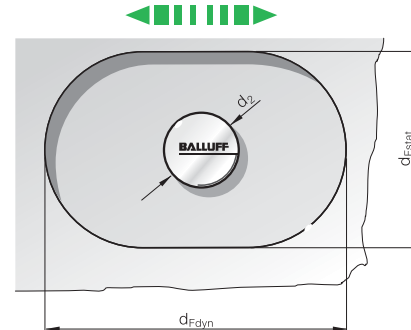
in cross-direction: $d_{Fstat} \geq d_1 + \Delta_M$

Example:

$$d_1 = 30 \text{ mm}$$

$$d_2 = 16 \text{ mm}$$

$$d_{Fdyn} \geq 2 \times 30 \text{ mm} + 16 \text{ mm} = 76 \text{ mm}$$



**No clear Zone,
Static Operation**

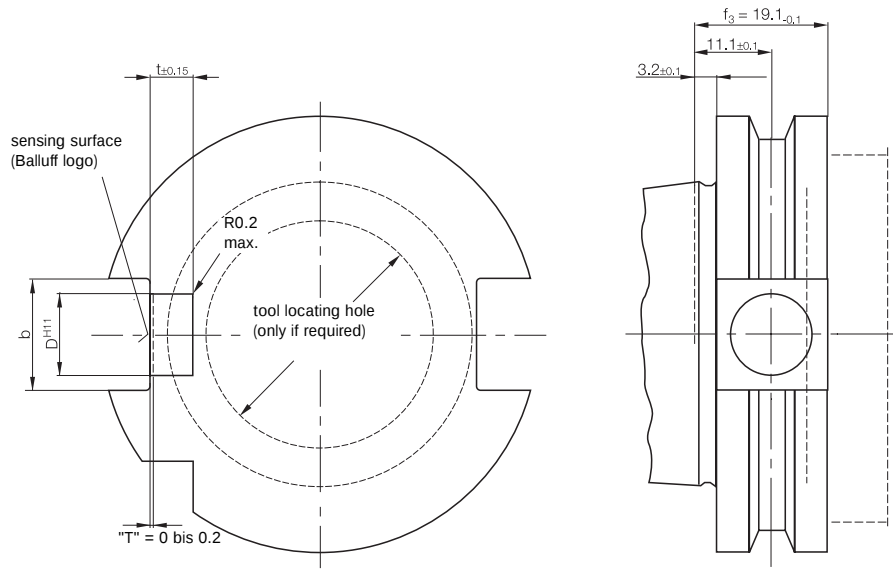
Permissible axial offset: $\pm 0.2 \text{ mm}$
(no dynamic operation possible)

Note

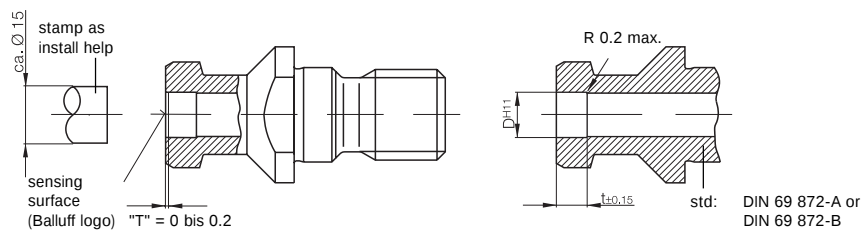
d_1 = diameter of the larger,
 d_2 = diameter of the smaller
communications partner,
 Δ_M = axial offset

**Installation
in Taper**

	Data carrier BIS C-122			Data carrier BIS C-103			Data carrier BIS C-105		
	D ^{H11}	t±0.15	U/min. max.	D ^{H11}	t±0.15	U/min. max.	D ^{H11}	t±0.15	U/min. max.
Taper DIN 69 871-A									
Nr. 30	10	4.65	90000	12	6.15	68000	12	8.15	68000
Nr. 40	10	4.65	75000	12	6.15	54000	12	8.15	54000
Nr. 45	10	4.65	66000	12	6.15	43000	12	8.15	43000
Nr. 50	10	4.65	59000	12	6.15	33000	12	8.15	33000


**Installation
in Retention Knob**

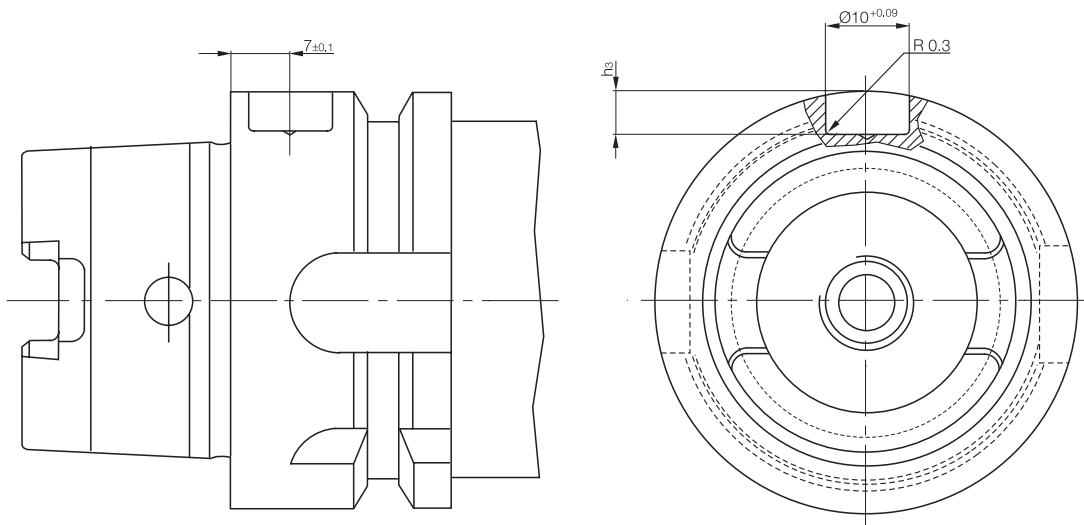
	Data carrier BIS C-122		Data carrier BIS C-103		Data carrier BIS C-105	
	D ^{H11}	t±0.15	D ^{H11}	t±0.15	D ^{H11}	t±0.15
Taper DIN 69 871-A						
Nr. 30	—	—	—	—	—	—
Nr. 40	10	4.65	—	—	—	—
Nr. 45	10	4.65	12	6.15	12	8.15
Nr. 50	10	4.65	12	6.15	12	8.15


Installation

1. Degrease gluing surfaces.
2. Apply a bead of glue (e. g. UHU-Plus 300) approximately 3 mm wide around the perimeter of the data carrier housing. Note manufacturer's instructions!
3. Press in data carrier housing by hand. Note dimension "T"!
4. Remove excess glue.
5. Allow to harden.

**Installation
in HSK Taper**

Data carrier BIS C-122		
HSK Form A ISO/DIS 12164-1	$h_3 + 0,20$	U/min. max.
32	5.4	96000
40	5.2	80000
50	5.1	75000
63	5	65000
80	4.9	57000
100	4.9	48000


Mechanical Strength

Data carriers and read/write heads

Order code	BIS C-1 __, BIS C-3 __
Shock load	100 g/6 ms per EN 60068-2-27 and 100 g/2 ms per EN 60068-2-29
Vibration	20 g, 10...2000 Hz per EN 60068-2-6
Values apply to data carriers BIS C-1__ and read/write heads BIS C-3__ except for the non-potted read/write heads BIS C-350, BIS C-351, BIS C-352 and BIS C-355.	

Processors and non-potted read/write heads

Order code	BIS C-6 ____, BIS C-350, BIS C-351, BIS C-352, BIS C-355
Shock load	15 g/11 ms per EN 60068-2-27 and 15 g/6 ms per EN 60068-2-29
Vibration	5 g, 10...150 Hz per EN 60068-2-6

BIS C

Data Carriers
 Read/Write
 Heads
 Data Coupler
 Adapter and
 Read/Write
 Head
 integrated
 8-bit
 Read-Only
 System
 Compact-
 Processors
 Metal Housing
 Processors
 Compact
 Processors for
 Simultaneous
 Mode
 Metal Housing
 Processors
 for
 Simultaneous
 Mode
 Handy
 Programmer
 Read/Write
 Guns,
 Mounting
 Cuffs
 Connector
 Cables with
 Connectors
 Connectors,
 Termination
 Resistor
**Installation
 Notes**
 Read/Write
 Times
 Software,
 Service Tools

**Read Times in
Static Mode**

For double read and compare:

Data carrier with 32-byte blocks	
Byte	read time [ms]
from 0 up to 31	110
for each additional 32 bytes started add an additional	120
from 0 up to 255	= 950

Data carrier with 64-byte blocks	
Byte	read time [ms]
from 0 up to 63	220
for each additional 64 bytes started add an additional	230
from 0 up to 2047	= 7350

**Write Times in
Static Mode**

Includes checking and comparing:

Data carrier with 32-byte blocks	
Byte	write time [ms]
from 0 up to 31	$110 + n \times 10$
≥ 32	$y \times 120 + n \times 10$
from 0 up to 255	= max. 3510

Data carrier with 64-byte blocks	
Byte	write time [ms]
from 0 up to 63	$220 + n \times 10$
≥ 64	$y \times 230 + n \times 10$
from 0 up to 2047	= max. 27830

n = number of contiguous bytes to be programmed
y = number of blocks to be processed

Example:

Write 17 bytes starting at address 187. Data carrier block size = 32 bytes.
Blocks 5 and 6 are processed, since the start address 187 is in block 5 and end address 204 is in block 6.

$$t = 2 \times 120 + 17 \times 10 = \mathbf{410 \text{ ms}}$$

**Read Times in
Dynamic Mode**

Read times within the 1st block for double read and compare:

The time indicated apply after the data carrier has been recognized. If the tag has not been recognized, an additional 30 ms must be added to allow for creating the energy field necessary to recognize the Data carrier.

Data carrier with 32-byte blocks	
Byte	read time [ms]
from 0 up to 3	14
for each additional byte	3.5
from 0 up to 31	112

Data carrier with 64-byte blocks	
Byte	read time [ms]
from 0 up to 3	14
for each additional byte	3.5
from 0 up to 64	224

Example:

Read 11 bytes starting at address 9, i. e. the highest address to be read is 20 (use for "m" in the formula).

$$t = 14 \text{ ms} + (m - 3) \times 3.5 \text{ ms} = \mathbf{73.5 \text{ ms}}$$

In the internal memory organization of the data carrier, a distinction is made between the two block sizes 32 and 64 bytes (also referred to as 'page size').

**Memory
organization**

Memory size up to 1023 bytes = 32 bytes per block
Memory size 2047 bytes and larger = 64 bytes per block

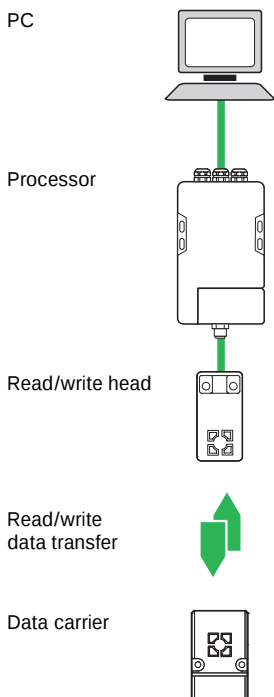
BISMASK/BISEDIT

The BISMASK/BISEDIT software package makes it possible to create a manual work station for the Balluff Identification System using a standard PC.

Requirements:
PC with a serial port,
Windows 95, Windows 98
or Windows NT, floppy drive,
hard drive.

The workstation consists of a PC, a BIS C processor with Balluff Dialog-Protocol (-007), and a read/write head.

The program package consists of two program sections:



BISEDIT

makes use of the mask file created in BIS MASK and outputs the data carrier data with the assigned fixed texts to the monitor screen or a printer. There is also the option of storing the data carrier data on diskette or hard disk, or downloading it from those sources.

It is also possible to modify the data carrier data.

A password can be assigned to prevent data from being changed.

BISMASK

enables the user to assign certain fixed texts to the various data on the data carrier.

At the same time, the user can define how the data is represented and create system settings for later use with BISEDIT.

This organization is stored in a mask which is used by BISEDIT.



Software Coupling BIS C-6_1 and BIS C-6_2 for Siemens Simatic S5/S7 as well as BIS C-60_1 and BIS C-60_2 for Siemens Simatic S7.

Function modules for linking a Processor with INTERBUS or PROFIBUS-DP option to a Simatic S5/S7 controller.

The function modules offer the full functionality of the Balluff Processors. Data are exchanged through the I/O section of the controller.

Features:

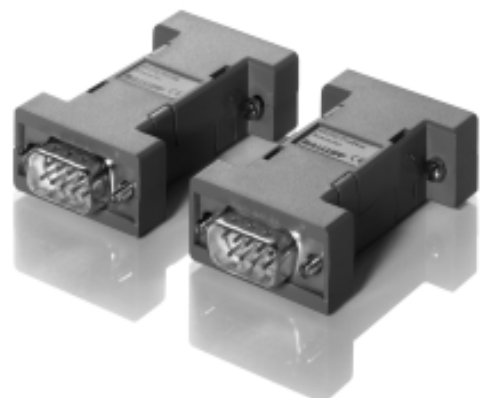
- short startup times
- easy system operation
- full command set

PROFIBUS-DP Master Simulator

The PROFIBUS-DP Master Simulator is a simple, universal program for data exchange with PROFIBUS slaves from virtually any manufacturer over PROFIBUS-DP.

Included with delivery are:

- Software
- PROFIBUS-DP master simulator
- PROFIBUS-DP converter
- D-Sub data cable



BIS C

Data Carriers
Read/Write
Heads
Data Coupler
Adapter and
Read/Write
Head
integrated
8-bit
Read-Only
System
Compact-
Processors
Metal Housing
Processors
Compact
Processors for
Simultaneous
Mode
Metal Housing
Processors
for
Simultaneous
Mode
Handy
Programmer
Read/Write
Guns,
Mounting
Cuffs
Connector
Cables with
Connectors
Connectors,
Termination
Resistor
Installation
Notes
**Read/Write
Times
Software,
Service Tools**