





WIRELESS PROFIBUS - DATAEAGLE 3000

Your benefits

The DATAEAGLE 3000er series was particularly designed for [transparent data transmission of PROFIBUS DP](#) applying various radio technologies. All devices featuring a PROFIBUS DP interface may be connected via radio. Our [patented filter technology](#) guarantees a highly available and reliable radio connection.

- Patented filter technology
- Profibus DP interface
- PROFIsafe
- Plug and Play – No device configuration required
- Up to 3 km range
- Transmission speed up to 1.5 Mbit/s



APPLICATION EXAMPLES

Versatile

- Substitute of slip rings
- Substitute of trailing cables and cable chains
- Substitute of optical data transceivers
- Crane systems
- Warehouse systems
- Automotive industry
- Transport vehicles
- Water, wastewater, waste and feedstock industry
- Engineering
- Lifts, inclined lifts and cable cars
- Oil and gas industry
- Steelworks
- Stage technology



WIRELESS PROFIBUS - DATAEAGLE 3000

The differences at a glance

PRODUCT	PROFIsafe	RADIO SLAVES	PROFIBUS SLAVES	PROTECTION CLASS	RANGE
CLASSIC 3712-A	Yes	4	8	IP 20	100 m indoor 300 m outdoor
COMPACT 3712-A	Yes	4	8	IP 20	100 m indoor 300 m outdoor
X-TREME 3712-A	Yes	4	8	IP 65	100 m indoor 300 m outdoor
CLASSIC 3713-A	No	4	4	IP 20	100 m indoor 300 m outdoor
COMPACT 3713-A	No	4	4	IP 20	100 m indoor 300 m outdoor
X-TREME 3713-A	No	4	4	IP 65	100 m indoor 300 m outdoor
CLASSIC 3715-A	No	1	4	IP 20	100 m indoor 300 m outdoor
COMPACT 3715-A	No	1	4	IP 20	100 m indoor 300 m outdoor
X-TREME 3715-A	No	1	4	IP 65	100 m indoor 300 m outdoor
COMPACT 3710-A STARTERKIT	No	1	1	IP 20	100 m indoor 300 m outdoor
X-TREME 3710-A STARTERKIT	No	1	1	IP 65	100 m indoor 300 m outdoor
CLASSIC 3323-A	No	4	4	IP 20	1 - 3 km
COMPACT 3323-A	No	4	4	IP 20	1 - 3 km
X-TREME 3323-A	No	4	4	IP 65	1 - 3 km



DATAEAGLE CLASSIC 3712-A

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Colour	Black

○ RADIO TECHNOLOGY

Frequency	2,4GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	8
PROFIsafe	Yes

○ ORDER NUMBER

Master	11155
Slave	11156





DATAEAGLE COMPACT 3712-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	8
PROFIsafe	Yes

o ORDER NUMBER

Master	11168
Slave	11169





DATAEAGLE X-TREME 3712-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	100 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	8
PROFIsafe	Yes

o ORDER NUMBER

Master	11326
Slave	11327





DATAEAGLE CLASSIC 3713-A

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Colour	Black

○ RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

○ ORDER NUMBER

Master	11152
Slave	11153





DATAEAGLE COMPACT 3713-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11164
Slave	11165





DATAEAGLE X-TREME 3713-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	100 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11324
Slave	11325



DATAEAGLE CLASSIC 3715-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	650 g
Width	233 mm
Height	106 mm
Depth	39 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11150
Slave	11151





DATAEAGLE COMPACT 3715-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1,5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11160
Slave	11161



DATAEAGLE X-TREME 3715-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	100 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1,5 MBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11320
Slave	11321





COMPACT 3710-A Starterset

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	100 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	187,5 kBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	1
PROFIsafe	No

o ORDER NUMBER

11172

o SCOPE OF DELIVERY

1 x DATAEAGLE Compact 3717-A Master
 1 x DATAEAGLE Compact 3717-A Slave
 2 x omnidirectional antenna, 3 dB with magnetic base and connecting cable (5 m)





X-TREME 3710-A Starterset

Technical data



GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	100 mA
Fixing	4-hole screw fastening
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Transmitting power	100 mW (EIRP)
Max. Number radio slaves	1
Range Indoor	100 m
Range Outdoor	300 m
Antenna connection	SMA Connection - 50 Ohm

INTERFACE

Max. PROFIBUS DP Transmission rate	187,5 kBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	1
PROFIsafe	No

ORDER NUMBER

11173

SCOPE OF DELIVERY

1 x DATAEAGLE X-TREME 3717-A Master
1 x DATAEAGLE X-TREME 3717-A Slave
2 x omnidirectional antenna, 3 dB with magnetic base and connecting cable (5 m)





DATAEAGLE CLASSIC 3323-A

Technical data



○ GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	200 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE
Weight	800 g
Width	233 mm
Height	106 mm
Depth	39 mm
Colour	Black

○ RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	300 m
Range Outdoor	1 -3 km
Antenna connection	SMA Connection - 50 Ohm

○ INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

○ ORDER NUMBER

Master	10949
Slave	10950



DATAEAGLE COMPACT 3323-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	Terminal clamps
Power consumption	200 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE
Weight	160 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4
Range Indoor	300 m
Range Outdoor	1 -3 km
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	9 pol. SUB-D
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	10998
Slave	10999





DATAEAGLE X-TREME 3323-A

Technical data



o GENERAL

Voltage supply	24 V DC
Connection Voltage supply	M12, A-coded
Power consumption	200 mA
Fixing	4-hole screw mounting
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE
Weight	300 g
Width	88 mm
Height	120 mm
Depth	42 mm
Colour	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Transmitting power	500 mW (EIRP)
Max. Number radio slaves	4 St.
Range Indoor	300 m
Range Outdoor	1 - 3 km
Antenna connection	SMA Connection - 50 Ohm

o INTERFACE

Max. PROFIBUS DP Transmission rate	1.5 MBit/s
PROFIBUS DP Connection	M12, B-coded
Max. Number PROFIBUS DP Slaves	4
PROFIsafe	No

o ORDER NUMBER

Master	11308
Slave	11309



Schildknecht AG

Haugweg 26

D-71711 Murr

Tel. + 49 7 144 - 89 71 80

Fax + 49 7 144 - 89 71 82 9

www.schildknecht.ag

office@schildknecht.ag