



SCHILDKNECHT
SMART DATA COMMUNICATION

DATAEAGLE 4000 SERIES



DATAEAGLE®
INDUSTRIAL RADIO SYSTEMS





THE DATAEAGLE 4000 SERIES

General information

- The **DATAEAGLE 4000** series was developed especially for the transparent transmission of PROFINET IO by utilization of diverse radio technologies
- The use of our **patented filter technology** guarantees a highly reliable and error-free radio link.
- All devices with a PROFINET IO interface can be connected via radio.
- No device configuration necessary – **Plug&Play**.
- Safety related devices are supported with the **DATAEAGLE 4002** Series through **PROFIsafe for PROFINET IO**.
- The range depends on the radio technology used and the conditions of the surroundings. Typical parameters include a **range of 100m - 300m (47xx) or 1km - 3km (43xx)**.
- Thousands of applications are already successfully in use. References can be found on our website www.schildknecht.ag



HIGHLY VERSATILE

Application examples

- Replacement of conductor lines
- Replacement of trailing cable / cable chains
- Replacement of optical coupler
- Cranes / crane systems
- Storage systems
- Transport vehicles
- Water, sewage and raw materials management
- Machine construction
- Lifts / Elevators
- Automotive industry





DATAEAGLE COMPACT 4702

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	Screw terminal block
Current consumption	150 mA
Mounting method	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	3
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	Included
PROFINET connection	RJ 45
Max. PROFINET Devices	6
PROFIsafe	On request

o REFERENCE

11098



DATAEAGLE COMPACT 4715

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	Screw terminal block
Current consumption	150 mA
Mounting method	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	1
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	Included
PROFINET connection	RJ 45
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11170



DATAEAGLE COMPACT 4703

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	Screw terminal block
Current consumption	150 mA
Mounting method	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	3
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	Included
PROFINET connection	RJ 45
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11175



DATAEAGLE X-TREME 4702

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	M12, A-coded
Current consumption	150 mA
Mounting method	4 hole screw mounting
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	3
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	-
PROFINET connection	M12, D-coded
Max. PROFINET Devices	6
PROFIsafe	On request

o REFERENCE

11400



DATAEAGLE X-TREME 4715

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	M12
Current consumption	150 mA
Mounting method	4 hole screw mounting
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	1.
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	-
PROFINET connection	M12, D-coded
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11420



DATAEAGLE X-TREME 4703



Technical data

o GENERAL

Operating voltage	24 V DC
Power supply connection	M12
Current consumption	150 mA
Mounting method	4 hole screw mounting
Protection class	IP65
Temperature range	-20...+60 °C
Conformity	CE (FCC in preparation)
Weight	280 g
Width	88 mm
Height	120 mm
Depth	42 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth
Output power	100 mW (EIRP)
Max. radio slaves	3
Typical range indoor	100 m
Typical range outdoor	300 m
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	-
PROFINET connection	M12, D-coded
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11401



DATAEAGLE COMPACT 4323

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	Screw terminal block
Current consumption	250 mA
Mounting method	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
Color	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Output power	500 mW (EIRP)
Max. radio slaves	3
Typical range indoor	300 m
Typical range outdoor	1 -3 km
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	Included
PROFINET connection	RJ 45
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11074



DATAEAGLE X-TREME 4323

Technical data



o GENERAL

Operating voltage	24 V DC
Power supply connection	M12, A-coded
Current consumption	250 mA
Mounting method	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
Color	Black

o RADIO TECHNOLOGY

Frequency	869 MHz
Output power	500 mW (EIRP)
Max. radio slaves	3
Typical range indoor	300 m
Typical range outdoor	1 -3 km
Antenna Connector	SMA connector - 50 Ohm

o INTERFACE

Max. PROFINET speed	100 Mbit
2-port switch	-
PROFINET connection	M12, D-coded
Max. PROFINET Devices	4
PROFIsafe	-

o REFERENCE

11403

