

ITEM 077910 CIA3SX1R1G08

Description	Technical data	Accessories	Downloads
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Features

- › Serial interface RS232/RS422
- › In combination with read head CIT3ASX1N12ST
- › DIN rail mounting

Serial interface

The individual commands for reading and writing the data carrier are in accordance with the common 3964R protocol and are described in the EUCHNER CIS3 system manual (order no. 084 727). For data carrier programming away from the system, a convenient WINDOWS[®]-compatible PC software application is available (Software Transponder Coding)

Attention:

- › On the usage of a screened cable the connection cable for the serial interface is allowed to be max. 5 m long for RS232 and max. 1000 m long for RS422.
- › On the usage of a screened cable the connection cable to the write/read head is allowed to be max. 15 m long.
- › It is only ever possible to connect 1 read head per interface adapter.

Approvals



Mechanical values and environment

Housing material	PA 6.6
Ambient temperature	0 ... 55 °C
Degree of protection	IP20
Mounting method	Mounting rail 35mm according to DIN EN 60715 TH35
Number of read heads	max.1
Connection	Plug-in screw terminals
Cable length	
	RS232max.5 m
	RS422max.1000 m

Electrical connection ratings

Operating voltage DC	20 ... 24 ... 28 V DC [1]
Current consumption	max.100 mA 65 mA
LED indicator	
	Green STATE LED operational
	Yellow ACTIVE LED data carrier active
Connection cross-section	0,14 ... 2,5 mm ²

Interface, bus

Data protocol	3964R via RS232/RS422
Data rate	9600 kbit/s 28800 kbit/s Can be selected via DIP switches

Miscellaneous

Additional feature	
	Moisture test (not condensing) at +50°C and 80% rel. h
	Vibration - IEC60068-2-6 amplitude 1mm, 10-55Hz, 3 axes
	Shock - IEC60068-2-27 acceleration 30g, 6 shocks per axis, 11ms/half sinewave

in combination with Read head CIT3ASX1N12ST and Data carrier CIS3AP10D05KH01K, CIS3AP10D05KH01K-P

Operating distance

Read distance	
With center offset m=0	0 ... 3 ... 6,5 mm [2]

With center offset $m=0$	0 ... 3 ... 6 mm [3]
With center offset $m=0$	0 ... 3 ... 5 mm [4]
Center offset	
Read distance $s = 3$ mm	max.2,5 mm [5]
Write distance $s = 3$ mm	max.2 mm [6]
Write distance	
With center offset $m=0$	0 ... 3 ... 6 mm [7]
With center offset $m=0$	0 ... 3 ... 5,5 mm [8]
With center offset $m=0$	0 ... 3 ... 4,5 mm [9]

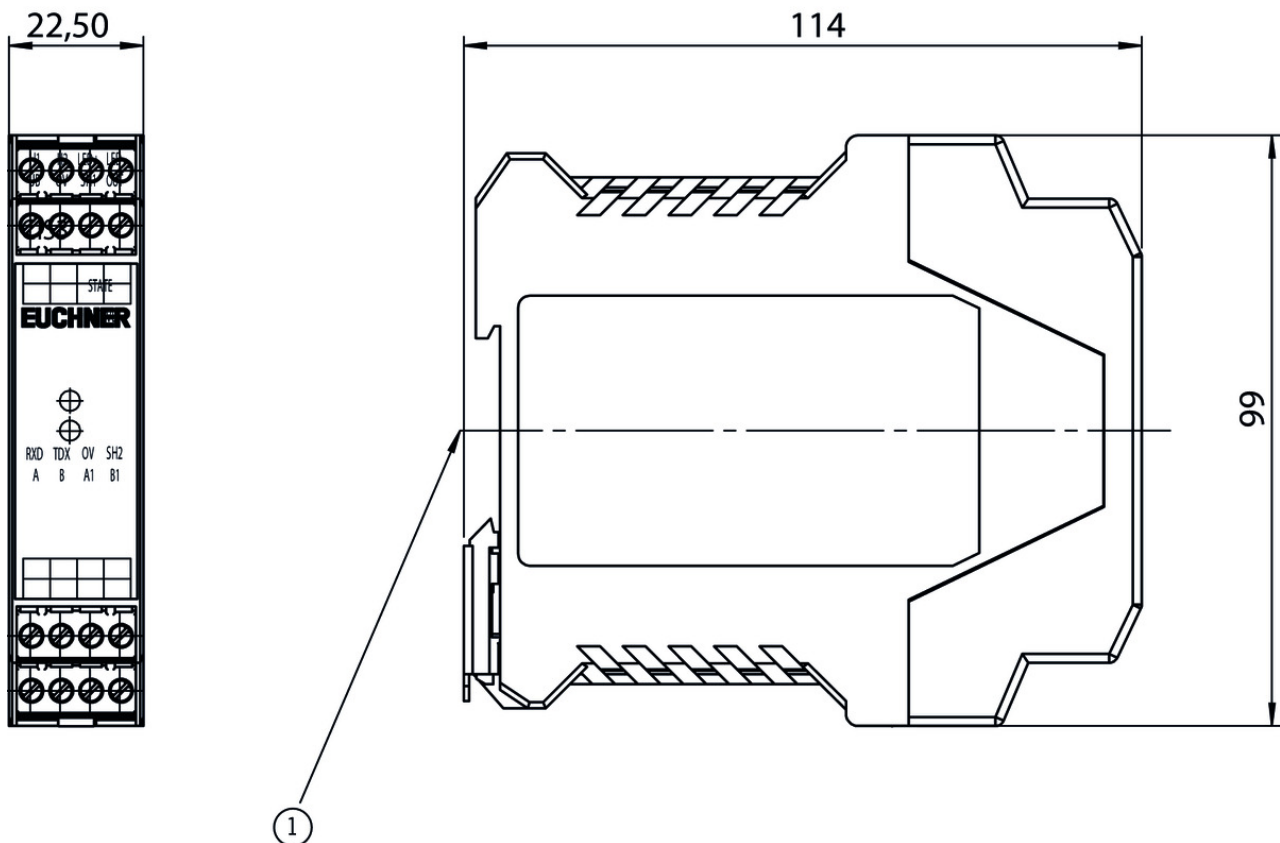
[1] All the electrical connections must either be isolated from the mains supply by a safety transformer according to IEC/EN 61558-2-6 with limited output voltage in the event of a fault, or by other equivalent isolation measures.

[2, 5, 6, 7] These values apply for the surface installation of the read head and the data carrier.

[3, 8] These values apply for the surface installation of the read head and flush installation of the data carrier in iron.

[4, 9] These values apply for the surface installation of the read head and flush installation of the data carrier in aluminum.

Dimension drawing



Legende

1 Suitable for 35 mm mounting rail according to DIN 46277

Terminal assignment power supply and interface

Bezeichnung	Beschreibung	
0V/GND	Masse, DC 0 V	
24 V/U _B	Spannungsversorgung, DC 24 V	
TxD	Serielle Schnittstelle Senden	RS232
RxD	Serielle Schnittstelle Empfangen	
A/TxD+	Serielle Schnittstelle Senden +	RS422
B/TxD-	Serielle Schnittstelle Senden -	
A1/RxD+	Serielle Schnittstelle Empfangen +	
B1/RxD-	Serielle Schnittstelle Empfangen -	
OUT	Ausgang Datenträger aktiv, 24 V	
SH2	Schirm Datenleitung	

Terminal assignment read head

Bezeichnung	Beschreibung	Aderfarbe
H1	Antenne vom Lesekopf	BN
H2	Antenne vom Lesekopf	WH
LED +	LED vom Lesekopf	YE
LED -	LED vom Lesekopf	GN
SH1	Schirm vom Lesekopf	BK

Data carrier

Data carrier CIS3A-Mini



077785 CIS3AP10D05KH01K

Features

- › Cylindrical design Ø 10 mm
- › Unprogrammed



092320 CIS3AP10D05KH01K-P

Features

- › Cylindrical design Ø 10 mm
- › Programmed

Identification system

Read-write head CIT3A Mini



077940 CIT3ASX1N12ST

Features

- › Use with interface adapter CIA3...
 - › Cylindrical design M12
 - › M8 plug connector
 - › Axial connection
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Connection material

Connection cable with plug connector M8, 4-pin, 2m



084641 C-M08F04-04X025PV02,0-ES-084641

Features

- › M8 female plug, 4-pin
 - › Straight plug connector
 - › PVC cable
 - › Cable length 2 m
 - › With flying lead
 - › Knurled nut electrically connected to cable screen
-

Connection cable with plug connector M8, 4-pin, 5m



084642 C-M08F04-04X025PV05,0-ES-084642

Features

- › M8 female plug, 4-pin
 - › Straight plug connector
 - › PVC cable
 - › Cable length 5 m
 - › With flying lead
 - › Knurled nut electrically connected to cable screen
-

Connection cable with plug connector M8, 4-pin, 10m



084643 C-M08F04-04X025PV10,0-ES-084643

Features

- › M8 female plug, 4-pin
 - › Straight plug connector
 - › PVC cable
 - › Cable length 10 m
 - › With flying lead
 - › Knurled nut electrically connected to cable screen
-

Connection cable with plug connector M8, 4-pin, 15m





084644 C-M08F04-04X025PV15,0-ES-084644

Features

- › M8 female plug, 4-pin
- › Straight plug connector
- › PVC cable
- › Cable length 15 m
- › With flying lead
- › Knurled nut electrically connected to cable screen






Instructions

▼ Handbuch Induktives Schreib-/Lesesystem CIS3A-Mini

	Doc. no.	Version	Language	Download
Handbuch Induktives Schreib-/Lesesystem CIS3A-Mini	084727	01-02/03		 0.3 MB
System - Manual Inductive Read/Write Identsystem CIS3A-Mini	084727	01-02/03		 0.3 MB













Catalogs

▼ Identsystem CIS Identification System CIS Système d'identification CIS

	Doc. no.	Version	Language	Download
Identsystem CIS	076621	03-01/13		 5.6 MB
Système d'identification CIS	110763	03-01/13		 5.5 MB
Identification System CIS	076660	03-01/13		 5.5 MB

Declaration of conformity

▼ EC-Declaration of Conformity CIT3; CIA3; CIS3

	Doc. no.	Version	Language	Download
EG-Konformitätserklärung EC-Declaration of Conformity CE-Declaración de Conformidad CE-Déclaration de Conformité CE-Dichiarazione di conformità	077155	10-01/17	    	 0.3 MB
EU-Konformitätserklärung Declaración UE de conformidad Déclaration UE de conformité Dichiarazione di conformità EU declaration of conformity	077155	10-01/17	    	 0.3 MB