

OIS-P

Data Tag PC3404/x32A



The 3 types of read and write data tags PC3404/x32A are a part of the OIS-P PC3400 series. They are designed and built for normal temperature applications requiring dynamic storage of small amounts of user data, fast data transfer, high reliability and long life.

The rugged design and excellent climatic resistance allows indoor as well as outdoor, stationary or mobile installation. Their compact design facilitates the use of one single data tag type throughout the entire main line.

The PC3404/x32A can operate together with a wide range of OIS-P communicators in the PC3100, PC3300 and PC3400 series to meet most application requirements.

- 32 kBytes read/write Data Tag
- Rugged Design for Rough Environment
- Operates with Every OIS-P Communicator
- Long Battery Lifetime: > 5 Years

About the OIS-P Auto-ID System in General

Communication Range

Using appropriate antennas this data tag provides a communication range of up to 10 m, as well as an excellent reading and writing capability with fast moving objects.

Long Battery Lifetime

The OIS-P technology maximizes the battery lifetime. The data tag is of a semi-active type, normally held in a passive state. Battery lifetime typically exceeds 5 years.

Data Tags for Every Use

A variety of data tags are available for various applications with memory sizes of up to 32 Kbytes. They differ in read/write range, memory sizes and housing designs.

Fast Data Transfer Rate Unlimited Memory Life

The RAM memory design allows an unlimited number of read-write cycles while enabling high data transmission rates. This also gives the opportunity for identification of fast moving objects. The user data is backed up by a lithium battery.

Connection Guaranteed

The central units and compact communicators are off-the-shelf available with several interfaces like Profibus and Ethernet. Other interfaces are available on request.

Heat-Resistant Data Tags

Heat-resistant data tags are applicable for temperatures up to 235 °C cyclic.

IDENDEC SOLUTIONS

IDENDEC SOLUTIONS is a leading global supplier of innovative RFID systems (Radio Frequency Identification) with communication ranges of up to 100 metres.

With its unique Intelligent Long Range® (ILR®) technology, IDENDEC SOLUTIONS offers innovative and economical solutions for automated data gathering, identification, tracking, and localization of objects.

The OIS product range offers automatic identification systems of different technologies, suitable for operation in the rough environment as in industry and logistics while providing high reliability. OIS transponders are equipped with up to 32 kBytes of memory and can withstand up to 235 °C.

To learn more about how ILR and OIS technology can increase the efficiency of your business, contact IDENDEC SOLUTIONS or visit our website at www.identecsolutions.com.

In Austria:
+43 5577 87387-0, or
sales@identecsolutions.at

In Germany:
+49 6201 9957-0, or
info@identecsolutions.de

In North America:
1-866-402-4211 (toll free), or
sales@identecsolutions.com

Information in this document is subject to change without notice and becomes contractual only after written confirmation by IDENDEC SOLUTIONS. "IDENDEC SOLUTIONS", "Intelligent Long Range", "ILR", "i-LINKS", "i-Q", "i-D", "i-B", "i-CARD", "i-PORT", "Solutions. It's in our name.", "Smarten up your assets." and the stylized "i" are trademarks or registered trademarks of IDENDEC SOLUTIONS, Inc. and/or IDENDEC SOLUTIONS AG.

WARNING:
Changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment.

Copyright © 2007 by IDENDEC SOLUTIONS.
All rights reserved.
Contents subject to change without notice.
Reg-No. B1170-200 — Issue 05 — December 2007

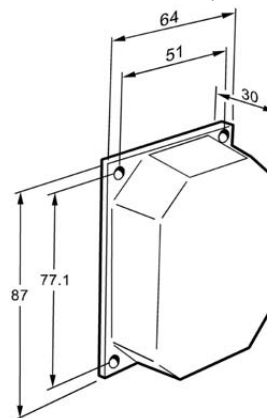
Technical Data

Operating Data

Data rate PC3404/L32A	75 bits/s read from data tag, 47 bits/s write to data tag, low speed, order code: 144 977
Data rate PC3404/M32A	66 kbits/s read from data tag, 42 kbits/s write to data tag, medium speed, order code: 144 978
Data rate PC3404/H32A	267 kbits/s read from data tag, 166 kbits/s write to data tag, high speed, order code: 144 979
Memory	32 kBytes RAM, depending on formatting max. 226 files
RAM memory life	unlimited number of read/write cycles

Mechanical Data

Weight	125 g
Casing	PBT, white
Mounting proposal	4 screws M4
Dimensioned drawing	All dimensions in mm, tolerance ±0,5 mm



Environmental Conditions

Temperature range	-40 °C to +70 °C (storage and operation)
Protection class	IP 67, Ref: IEC 529
Vibration (operating)	Sine: ±0,35 mm, 10 – 60 Hz; 5 g, 60 – 500 Hz in ±3 axes, 40 min/axis, Ref: IEC 68-2-6-Test Fc Random: 0,02 g ² /Hz, 10 – 2000 Hz; in 3 axes, 3 hours/axis Ref: IEC 68-2-64 Test Fdb
Bump (survival)	10 g, 6 ms half sine in ±3 axes × 4000, Ref: IEC 68-2-29 Test Eb
Shock (survival)	50 g, 6 ms half sine in ±3 axes × 10, Ref: IEC 68-2-27 Test Ea
Drop	1000 mm free fall, 10 times onto concrete floor, Ref.: IEC 68-2-32 Test Ed
CE conformity	OIS-P complies to the R & TTE guideline 99/5/EC (R & TTE: Radio and telecommunications terminal equipment) EMC: EU Guideline 89/336 EWG ESD: EN 61000-4-2 RF Immunity: EN 61000-4-3

All values are specified at 20 °C, unless otherwise noted.

www.identecsolutions.com

Europe:

Austria: IDENDEC SOLUTIONS AG, Millennium Park 2, 6890 Lustenau, Tel: +43 (0)5577 87387-0 Fax: +43 (0)5577 87387-15
Germany: IDENDEC SOLUTIONS Deutschland GmbH, Hertzstr. 10, 69469 Weinheim, Tel.: +49 (0)6201 9957-0 Fax: +49 (0)6201 9957-99

North America:

USA: IDENDEC SOLUTIONS INC., Liberty Plaza II, 5057 Keller Springs Rd. Suite 375, Addison, Texas 75001 Tel: +1(972) 535 4144 Fax: +1(469) 424 0404