Euromap 63 Data Exchange Interface

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MDB cashless slave to RS232 interface**Working with Oracle Managed Files Transfer 12c - Designing an End to End Transfer Siemens PLC GSD file creation for I Device, Profinet Controller, Data Exchange How to create an Event Monitor in B2B Data Exchange**

Euromap 63 Data Exchange Interface
EUROMAP 63 Data Exchange Interface Version 1.05a July, 2000 (59 pages) The recommendation under this cover has been prepared by the Technical Commission of EUROMAP and SPI (The Society of the Plastics Industry, USA-Washington, DC) In this document, the American spelling is used. In the U.S. an identical text of EUROMAP 63 is published as an SPI document.

EUROMAP 63 Data Exchange Interface
Euromap 63. The Euromap 63 standard is the predecessor to Euromap 77 and defines the data exchange with injection moulding machines via files. With its Euromap 63 plug-in, the OPC Router implements the file handling to the injection molding machine defined in the standard. The Euromap plug-in writes the so-called request files and accepts response files.

EUROMAP 63: Industry 4.0 for injection moulding technology
EUROMAP 63 (PDF, 224.88 KB) 2000. Data exchange interface (General + Injection moulding machines) EUROMAP 64 (PDF, 249.17 KB) 2008. Injection Moulding Machines - Warning Signs. EUROMAP 65 (PDF, 41.26 KB) 2006. Injection Moulding Machines - User Identification. EUROMAP 67 (PDF, 232.76 KB)

Technical Recommendations | EUROMAP - European Plastics ...
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Euromap 63 Data Exchange Interface.pdf | pdf Book Manual ...
The current recommendation EUROMAP 63 defines a data exchange interface between Injection Moulding Machines and central computers / Management Execution Systems (MES). As the current recommendation EUROMAP 63 is based on the transfer of text files which is not state of the art, it is intended to create a new interface as EUROMAP 77 on the basis of OPC/UA.

Plastics and Rubber Machinery - OPC Foundation
EUROMAP 77 - OPC UA-based data exchange for injection moulding machines 14 Oct 2016. EUROMAP 77 is the new Industry 4.0-ready industry standard for the exchange of data between injection moulding machines and central computers or manufacturing execution systems (MES).

EUROMAP 77 - OPC UA-based data exchange for injection ...
EUROMAP 77 describes the interface between injection moulding machines (IMM) and manufacturing execution systems (MES) for data exchange. The first version has been released on 4 May 2018. MES are used for collecting the information generated by IMM at a central point for easier quality assurance and job and dataset management.

EUROMAP 77 - Data exchange between injection moulding ...
The new Euromap 77 interface will enable even faster and more efficient data exchange between injection moulding machines and host computers, paving the way for the widespread use of Industry 4.0 in the plastics processing industry. Another advantage over Euromap 63, which is to be replaced, is greater flexibility.

EUROMAP 77 - Faster and more flexible data exchange ...
Compared to its predecessor Euromap 63, Euromap 77 offers extended functionality to enable state of the art digital communication, thus paving the way for Industry 4.0. With Euromap 77, machines from different manufacturers can be easily connected in one network for monitoring and production data acquisition, management of jobs and transferring whole datasets for machine settings.

Data exchange between injection moulding machines and MES
Data Exchange Interface TheEUROMAP63DriverProtocolspecifiesafile-based(ASCII)communicationinterfacethatisorganized basedontheOSI7LayerModel.Thisdataexchangeinterfacereliesontheimplementationofallsevenlay-ers. RefertotheEUROMAP63DataExchangeInterfacedocumentforthespecificdefinitionsofthesession,present-

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EUROMAP 63 Driver - Kepware
Basic Plus offers additional production-planning capabilities, while the Advanced version provides continuous quality control via the automatic analysis of process parameters. In addition to working with KraussMaffei injection molding machines, MaXecution can be connected to competitors' machines via the Euromap 63 data exchange interface.

KraussMaffei's MES software monitors injection molding ...
EUROMAP 77 describes the interface between injection moulding machines (IMM) and manufacturing execution systems (MES) for data exchange. MES are used for collecting the information generated by IMM at a central point for easier quality assurance and job and dataset management.

EUROMAP 77 – OPC UA interfaces for plastics and rubber ...
EUROMAP 63 is a basic communication protocol for exchanging information between a central computer and an injection molding machine (injection molding machine) using flies stored on a shared network location. Here we use a MICA as the central computer to communicate with the injection molding machine. 4.2The Communication Principle

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HARTING EUROMAP 63 Gateway for MICA User Manual
1. The EUROMAP 63 Standard The EUROMAP 63 standard describes a file-based data exchange interface that allows applications (such as KEPServerEX) to access information from EUROMAP 63-enabled machines. In some cases, the machine itself can communicate using the EUROMAP 63 language. In other cases, the machine vendor provides an application that

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Understanding EUROMAP 63 Driver Device Diagnostics Output
The fourth workshop on amendment of the Euromap 63 recommendations, the standardized interface for data exchange with injection molding machines, was held in early March. Some 15 representatives of leading injection molding machine manufacturers from the German-speaking region got together at KraussMaffei in Munich to discuss current topics and to set targets for the future.

Decisive potential in business is a question of process capability, rather than production capability. Process capability in business requires real-time systems for optimization. Business-IT needs to be developed from telecommunications and ERP to real-time services, which are not offered by the prevailing ERP systems. This book shows how modern information technology Manufacturing Execution Systems (MES) becomes the prerequisite for process capability of the company on the basis of many practical examples. It describes the requirements for optimized MES. It gives an overview of the efficiency potentials and different applications of MES.

This book gathers the most recent developments in fuzzy & intelligence systems and real complex systems presented at INFUS 2020, held in Istanbul on July 21–23, 2020. The INFUS conferences are a well-established international research forum to advance the foundations and applications of intelligent and fuzzy systems, computational intelligence, and soft computing, highlighting studies on fuzzy & intelligence systems and real complex systems at universities and international research institutions. Covering a range of topics, including the theory and applications of fuzzy set extensions such as intuitionistic fuzzy sets, hesitant fuzzy sets, spherical fuzzy sets, and fuzzy decision-making; machine learning; risk assessment; heuristics; and clustering, the book is a valuable resource for academics, M.Sc. and Ph.D. students, as well as managers and engineers in industry and the service sectors.

Manufacturing Execution System (MES) is the central part and data hub in a manufacturing environment, connecting ERP and shop floor through horizontal and vertical integration. As a perfect example of modern and Industry 4.0 orientated MES, HYDRA is described, basically modular structured with plenty of standard functions, covering all production areas and departments in a factory, such as machine connectivity, production management, production logistics, quality management, resource management, energy management, and HR. Collecting vast real-time production data is just the very first step, where many MES systems linger about. More important is to analyze and utilize mass production data, turning Big Data into Smart Data. MES Hydra offers various analysis tools and reports for the sake of efficiency and transparency.

This book gathers the proceedings of the International Symposium on Plastics Technology, which was held on March 10, 2020 in Aachen, Germany, and was organised by the Institute for Plastics Processing (IKV) in Industry and Craft at RWTH Aachen University. Peer-reviewed by an international scientific committee, the conference proceedings comprise the papers presented by the international speakers. Topics covered include - circular economy- extrusion- lightweight technologies- simulation and digitisation - injection moulding- hybrid materials and additive manufacturing. In these fields, key themes for plastics technologies have been identified that will shape the face of research and industry for the next decade. In their contributions, the authors present the latest scientific findings, and discuss topical issues in plastics technologies. The symposium offered an inspiring forum for the exchange on research and innovation, for discussing urgent questions and providing impulses for the future of plastics technology.

Mass Customization examines the business opportunities, considerations, and challenges manufacturers in various industries must weigh before committing to the significant investment in machinery and software needed to go to mass customization. For manufacturers who decide that it’s time to take the plunge, the author describes the proven methods and latest technologies for making mass customization work seamlessly and profitably on the factory floor. Mass customization—the automated manufacturing bespoke products, profitably combining the low unit costs of mass production with the flexibility of building custom products to order—has been touted as the next big thing for more than a quarter of a century. Until recently, however, mass customization made only modest inroads in a few industries. Now, the convergence of new ICT and manufacturing technologies with traditional CNC technologies means that mass customization’s moment has arrived for breaking out into a wide range of industries. Hans Kull is an engineer and mathematician who applies his expertise in combinatorial optimization, programming, and engineering to devising end-to-end automated solutions for mass customization, automating and optimizing all processes—from bespoke parts supply, order processing, production, and waste minimization to packing and delivery. He shares with his readers practical lessons for making mass customization succeed, case studies from various industries, and an insider’s vision of the business implications of mass customization’s coming of age.

"This book is offers an overview of the practices and the technologies that are shaping the knowledge production of the future"--Provided by publisher.

This book presents an in-depth description of the Arrowhead Framework and how it fosters interoperability between IoT devices at service level, specifically addressing application. The Arrowhead Framework utilizes SOA technology and the concepts of local clouds to provide required automation capabilities such as: real time control, security, scalability, and engineering simplicity. Arrowhead Framework supports the realization of collaborative automation; it is the only IoT Framework that addresses global interoperability across multiplet SOA technologies. With these features, the Arrowhead Framework enables the design, engineering, and operation of large automation systems for a wide range of applications utilizing IoT and CPS technologies. The book provides application examples from a wide number of industrial fields e.g. airline maintenance, mining maintenance, smart production, electro-mobility, automative test, smart cities—all in response to EU societal challenges. Features Covers the design and implementation of IoT based automation systems. Industrial usage of Internet of Things and Cyber Physical Systems made feasible through Arrowhead Framework. Functions as a design cookbook for building automation systems using IoT/CPS and Arrowhead Framework. Tools, templates, code etc. described in the book will be accessible through open sources project Arrowhead Framework Wiki at forge.soa4d.org/ Written by the leading experts in the European Union and around the globe.

Land use and land cover (LULC) as well as its changes (LUCC) are an interplay between bio-geophysical characteristics of the landscape and climate as well as the complex human interaction including its different patterns of utilization superimposed on the natural vegetation. LULC is a core information layer for a variety of scientific and administrative tasks(e.g. hydrological modelling, climate models, land use planning).In particular in

the context of climate change with its impacts on socio-economic, socio-ecologic systems as well as ecosystem services precise information on LULC and LUCC are mandatory baseline datasets required over large areas. Remote sensing can provide such information on different levels of detail and in a homogeneous and reliable way. Hence, LULC mapping can be regarded as a prototype for integrated approaches based on spaceborne and airborne remote sensing techniques combined with field observations. The book provides for the first time a comprehensive view of various LULC activities focusing on European initiatives, such as the LUCAS surveys, the CORINE land covers, the ESA/EU GMES program and its resulting Fast-Track- and Downstream Services, the EU JRC Global Land Cover, the ESA GlobCover project as well as the ESA initiative on Essential Climate Variables. All have and are producing highly appreciated land cover products. The book will cover the operational approaches, but also review current state-of-the-art scientific methodologies and recommendations for this field. It opens the view with best-practice examples that lead to a view that exceeds pure mapping, but to investigate into drivers and causes as well as future projections.

This book quantifies the potential for greater energy efficiency in industry on the basis of technology- and sector-related analyses. Starting from the methodological fundamentals, the first part discusses the electricity- and heat-based basic technologies and cross-sectional processes on the basis of numerous application examples. In addition to classic topics such as lighting and heat recovery, the study also covers processes that have received less attention to date, such as drying and painting. The second part is devoted to energy-intensive industries, in particular metal production and processing, the manufacture of the non-metallic materials cement and glass, and the chemical, paper, plastics and food industries. Both parts are concluded by placing them in a larger energy and economic context. The findings are condensed into checklists at many points and summarized in the overall view at the end to form generally applicable recommendations. This book is a translation of the original German 2nd edition Energieeffizienz in der Industrie by Markus Blesl and Alois Kessler, published by Springer-Verlag GmbH Germany, part of Springer Nature in 2017. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors.

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