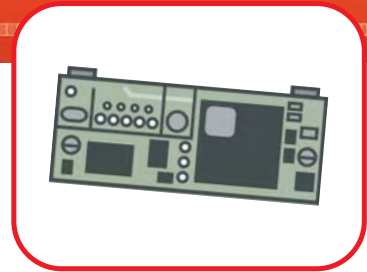


COM – Communication Module



Plug-on module as fieldbus interface

- Interchangeable plug-in modules for all leading fieldbus technologies
- Various formats with different installation possibilities
- Same driver interfaces for all modules
- Direct access to the process data in the Dual-port-memory
- Fast “Time to market”
- No development risk
- Proven fieldbus technology
- Cheaper than own development

Fieldbus integration for automation technology

Hilscher has been supplying communication modules (COM) for integrating fieldbus communication into the devices of automation technology for more than 10 years. These are complete fieldbus interfaces in a very small board with an easy to handle application interface. The simplest and most economical way of integrating proven communication technology into your devices.

Fieldbus communication in various formats

Based on past experience, Hilscher has now brought a new generation of COM modules onto the market.

These take into account the high degree of integration of special ASICs as well as new technologies such as the low-power consumption 3.3 V components. Special attention has been paid to the different installation possibilities and the high requirements of the mechanics and the interference resistance when installing the fieldbus plug onto the module.

Distribución: **ER-SOFT, S.A.** Email: er@er-soft.com, Tel: +34 916 408 408

COM – Technical Information

Headquarters

Germany
Hilscher Gesellschaft für Systemautomation mbH
Rheinstrasse 15
65795 Hattersheim
Phone: +49 (0) 6190 9907-0
Fax: +49 (0) 6190 9907-50
E-Mail: info@hilscher.com
Web: www.hilscher.com

Subsidiaries

China
Hilscher Ges.f.Systemaut. mbH
Shanghai Representative Office
200010 Shanghai
Phone: +86 (0) 21-6355-5161
E-Mail: info@hilscher.cn

France
Hilscher France S.a.r.l.
69500 Bron
Phone: +33 (0) 4 72 37 98 40
E-Mail: info@hilscher.fr

Italy
Hilscher Italia srl
20090 Vimodrone (MI)
Phone: +39 02 25007068
E-Mail: info@hilscher.it

Japan
Hilscher Japan KK
Tokyo, 160-0022
Phone: +81 (0) 3-5362-0521
E-Mail: info@hilscher.jp

Switzerland
Hilscher Swiss GmbH
4500 Solothurn
Phone: +41 (0) 32 623 6633
E-Mail: info@hilscher.ch
Hilscher Swiss GmbH
Branch Office East Switzerland
Embedded Systems
9444 Diepoldsau
Phone: +41 (0) 71 737 7575
E-Mail: info@hilscher.ch

USA
Hilscher North America, Inc.
Lisle, IL 60532
Phone: +1 630-505-5301
E-Mail: info@hilscher.us

Distributors

Australia
Fieldbus Specialists
www.fieldbus.com.au

Austria
VIPA Elektronik-Systeme GmbH
www.vipa.at

Belgium
TelereX N.V.
www.telereX-europe.com

Brazil
SoftBrasil Automacao Ltda.
www.softbrasil.com.br

Czech Republic
ZPA-Industry a.s.
www.zpaindustry.cz

Denmark
Novotek Denmark A/S
www.novotek.dk

Finland
Novotek Finland Oy
www.novotek.fi

France
HIGH COM
www.highcom.fr

Korea
CREVIS Co.,LTD
www.crevis.co.kr

Netherlands
TelereX Nederland B.V.
www.telereX-europe.com

Norway
AD Elektronikk AS
www.ade.no

Poland
RACControls SP. z o.o.
www.raccontrols.com.pl

Russia
ProSoft Ltd.
www.prosoft.ru

Singapore
Vector Info Tech Pte Ltd
www.vectorinfotech.com

South Africa
Inomatic
www.inomatic.co.za

Spain
Sistel Control s.l.
www.sistelcontrol.com

Sweden
Novotek Sverige AB
www.novotek.se

UK
Miles Industrial Electronics Ltd
www.milesie.co.uk

Technical Data

AS-Interface	Master	2 Channels each with 62 Slaves 248 Input Bits/186 Output Bits
CANopen	Slave	Master
		126 Nodes 510 Byte I/O Data Min. Boot up COB ID Distribution: default/via SDO Emergency Message Node/Life Guarding, Heartbeat Event Trigger PDO: Async Remote Request 32 Rx-/32 Tx-PDOs
		7168 Byte I/O Data Min. Boot up COB ID Distribution: default/via SDO Emergency Message Node/Life Guarding, Heartbeat Event Trigger PDO: Cyclic, Acyclic, Async Remote Request
CC-Link	Slave	Max. 4 Stations each with 64 Bit I/O Data 8 Words I/O Data Polling
DeviceNet	Slave	Master
		63 Slaves 510 Byte I/O Data Explicit, Polling, Bit-strobe, Cyclic, Change of State Predefined Connection Set
		7168 Byte I/O Data Explicit, Polling, Bit-strobe, Cyclic, Change of State UCMM via Group 1, 2, 3, Predefined Connection Set
EtherNet/IP	Slave	1008 Bytes I/O Data Max. 1 Implicit Connection Max. 6 Explicit Connection
Ethernet Protocols		FTP Server SMTP Client
InterBus	Slave	20 Words I/O Data PCP Channel, 2 Words
Open Modbus/TCP		Client/Server
PROFIBUS-DP	Slave	Master
		125 Slaves 368 Byte I/O Data DPV1 Extensions Class 1 and 2 Services MPI functions
		7168 Byte I/O Data DPV1 Extensions Class 1 and 2 Services MPI functions
SERCOS	Passive	SERCON816, Master or Slave dependent on driver
Diagnostic Connection		RS232C, potential-bound A diagnostic interface is not available on the following devices: COM-CA-IBS and COM-CA-SCEB
System Interface		Dual-port-memory
Operating Voltages		3.3 V / 300-800 mA COM-A/-B/-C
Operating Temperature		0 ... 60 °C COM-A/-B/-C -20 ... 70 °C optional
Dimensions (L x W x H)		40 x 70 x 26 mm COM-A 40 x 70 x 21.5 mm COM-B 70 x 30 x 21.5 mm COM-C
Noise Immunity, Radiated Noise		EN 50082-2 EN 55011 Cl. B

Product Overview

Fieldbus	Communication Module 40 x 70 mm Vertical Plug	Communication Module 40 x 70 mm Without Plug
AS-Interface-Master	COM-AS-ASM	COM-BN-ASM
CANopen-Slave	COM-AS-COS	COM-BN-COS
CANopen-Master	COM-AS-COM	COM-BN-COM
DeviceNet-Slave	COM-AS-DNS	COM-BN-DNS
DeviceNet-Master	COM-AS-DNM	COM-BN-DNM
Ethernet	COM-AS-EN	COM-BN-EN
EtherNet/IP-Slave	COM-AS-EIS	COM-BN-EIS
PROFIBUS-DP-Slave	COM-AS-DPS	COM-BN-DPS
PROFIBUS-DP-Master	COM-AS-DPM	COM-BN-DPM
Fieldbus	Communication Module 40 x 70 mm Angled Plug	Communication Module 40 x 70 mm Without Plug
AS-Interface-Master	COM-BA-ASM	COM-BN-ASM
CANopen-Slave	COM-BA-COS	COM-BN-COS
CANopen-Master	COM-BA-COM	COM-BN-COM
DeviceNet-Slave	COM-BA-DNS	COM-BN-DNS
DeviceNet-Master	COM-BA-DNM	COM-BN-DNM
Ethernet	COM-BA-EN	COM-BN-EN
EtherNet/IP-Slave	COM-BA-EIS	COM-BN-EIS
PROFIBUS-DP-Slave	COM-BA-DPS	COM-BN-DPS
PROFIBUS-DP-Master	COM-BA-DPM	COM-BN-DPM
Fieldbus	Communication Module 70 x 30 mm Angled Plug	Communication Module 70 x 30 mm Without Plug
AS-Interface-Master	COM-CA-ASM	COM-CN-ASM
CANopen-Slave	COM-CA-COS	COM-CN-COS
CANopen-Master	COM-CA-COM	COM-CN-COM
CC-Link-Slave	COM-CA-CCS	COM-CN-CCS
DeviceNet-Slave	COM-CA-DNS	COM-CN-DNS
DeviceNet-Master	COM-CA-DNM	COM-CN-DNM
Ethernet	COM-CA-EN	COM-CN-EN
EtherNet/IP-Slave	COM-CA-EIS	COM-CN-EIS
InterBus-Slave	COM-CA-IBS	
PROFIBUS-DP-Slave	COM-CA-DPS	COM-CN-DPS
PROFIBUS-DP-Master	COM-CA-DPM	COM-CN-DPM
SERCOS, passiv*	COM-CA-SCEB	

* The COM-CA-SCEB is a passive device and needs a own driver.