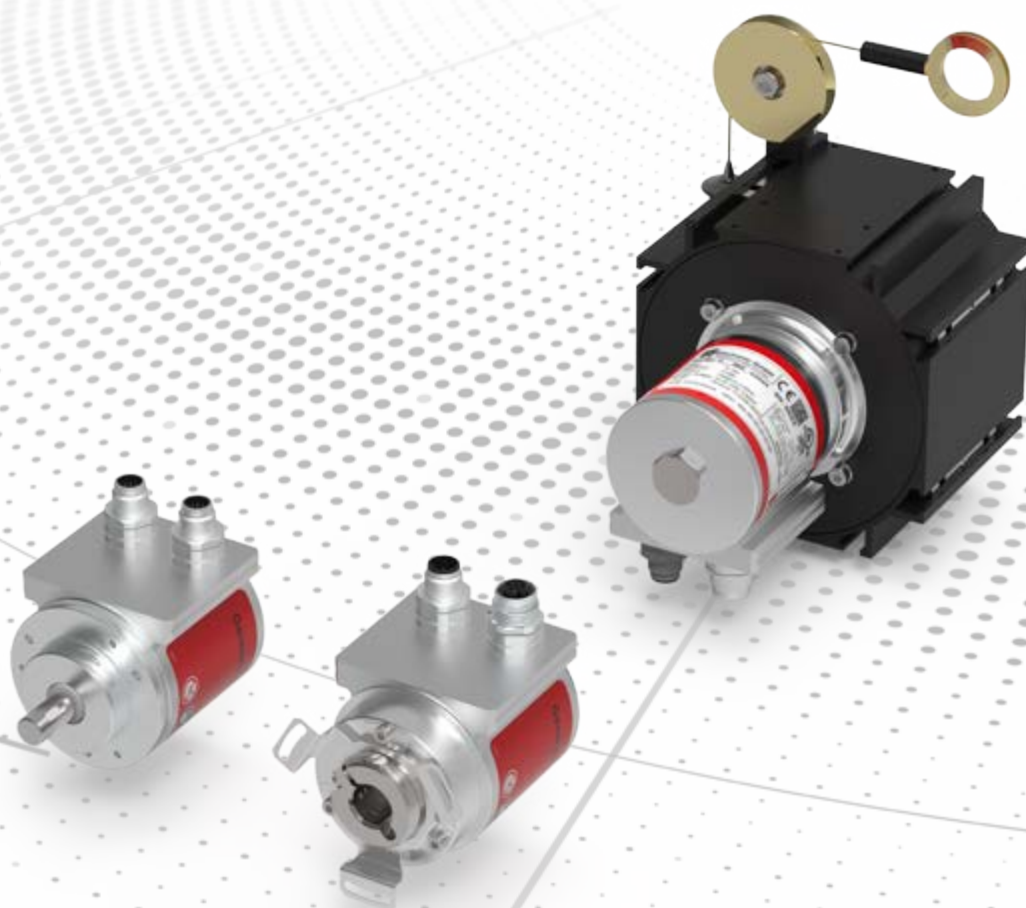
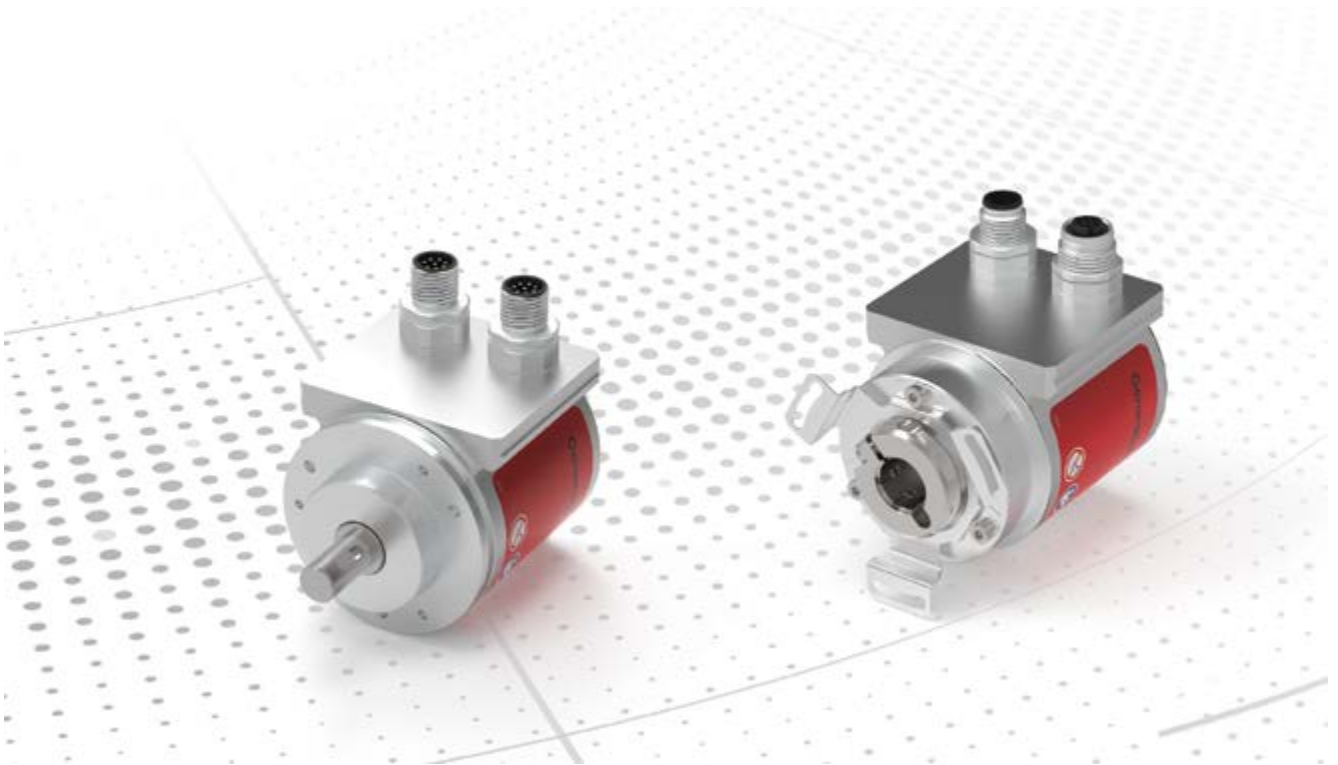


Redundant absolute rotary encoders – CR_582M



Redundant absolute rotary encoders CR_582 - 58 mm



One housing, two independent rotary encoders, many flexible safety concepts!

The requirements for reliability, availability and safety of machines and systems are increasing. Users meet the requirements with strategies for the design of the machine, system and control technology that are adapted to the application. TR-Electronic has set itself the goal of supporting a wide variety of structures and strategies with high-quality technical solutions.

In addition to the SIL/PL-certified sensor solutions, there are also redundant versions that also enable other safety and high-availability concepts in the design.

The CR_582 family integrates two rotary encoders in the space of a standard industrial encoder with a size of 58 mm.

The position values are determined by two independent sensors and processed separately.

Both sensors can also be parameterized differently from each other. The encoder transmits the values either via SSI, incremental or CANopen interface.

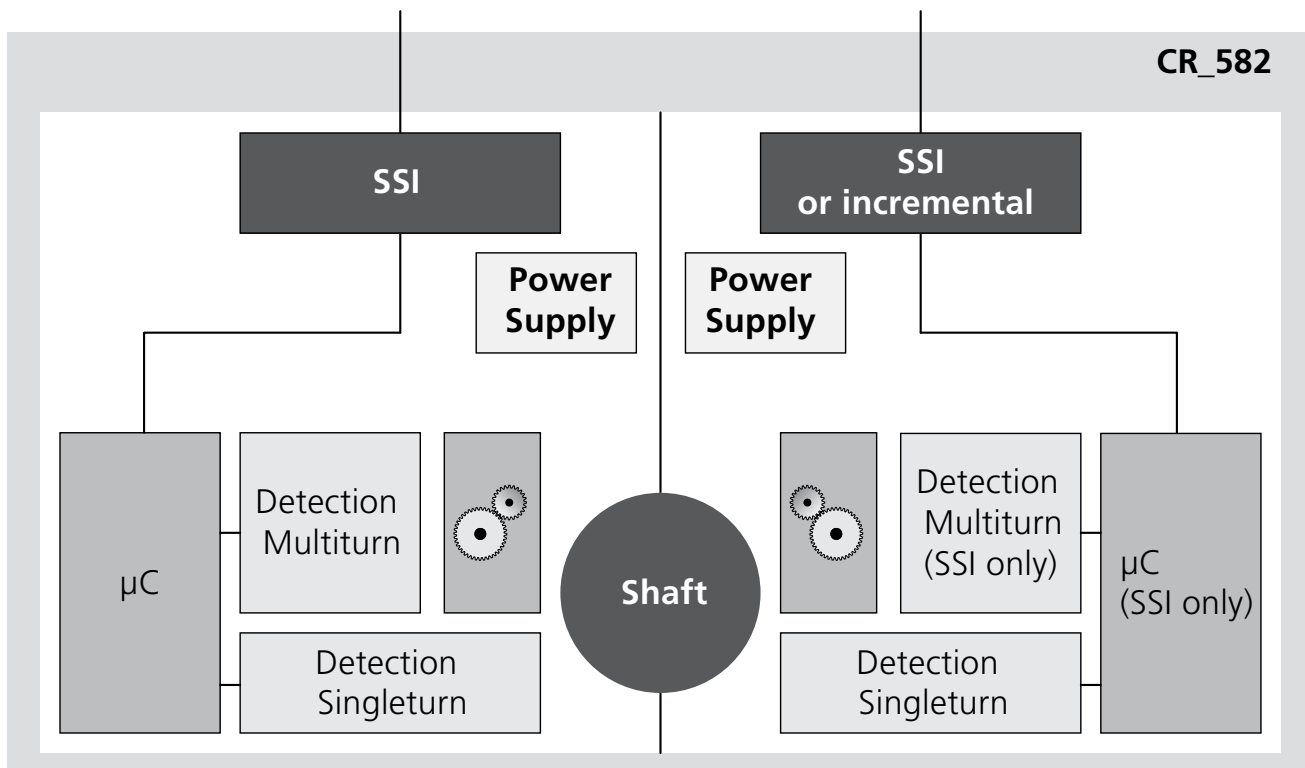
- _ Industrial standard size 58 mm
- _ two separate detections
- _ SSI/SSI and SSI/Incremental-Interface:
Fully separated galvanically
- _ CANopen: two participants in the bus system, CAN-Signals
galvanically isolated from supply.
- _ solid shaft, blind shaft and wire length encoder
- _ compact industrial standard connectors

Redundant sensor system

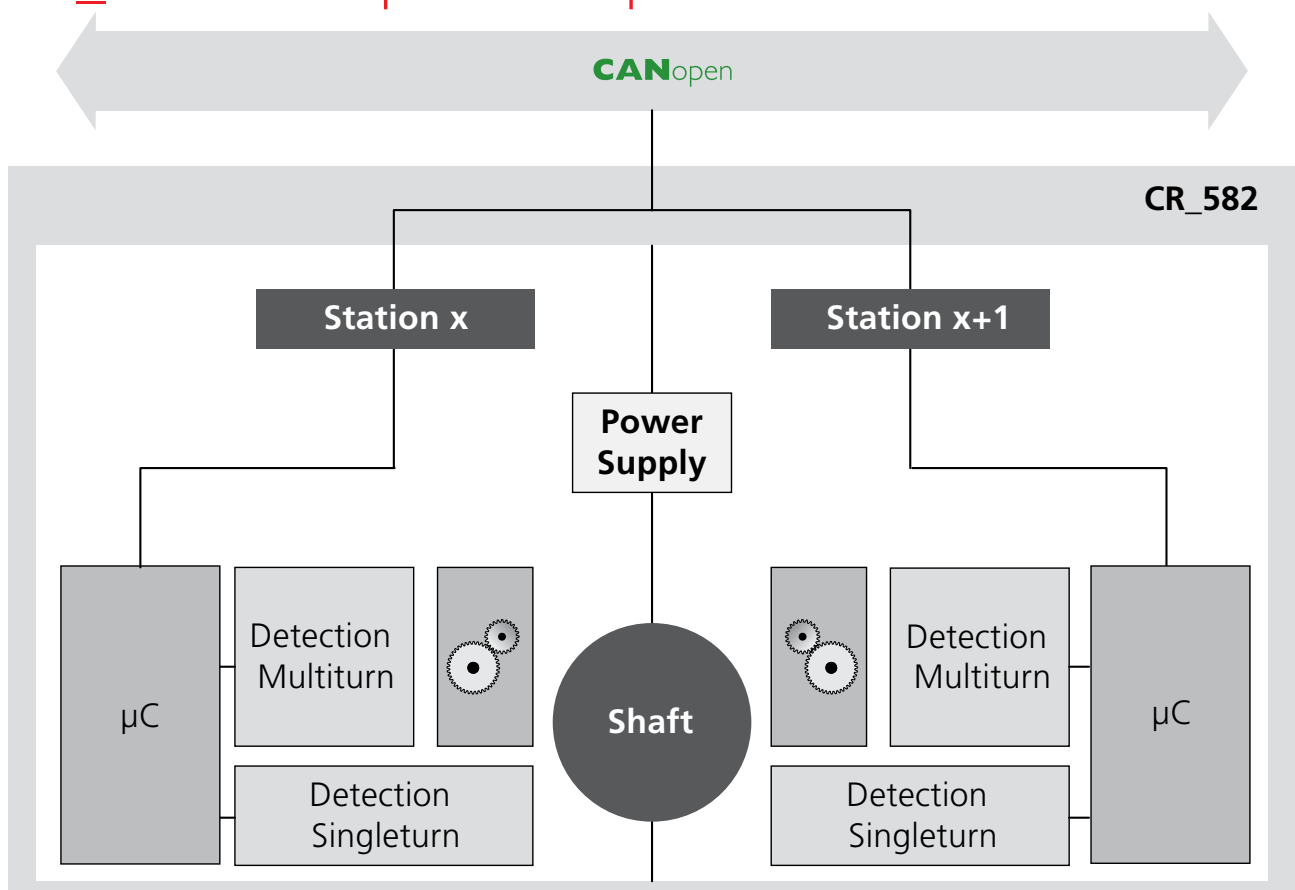
Product	CRV582	CRS582	CRW582
			
Shaft type	solid shaft	blind shaft	coupling
Detection	double, 36 bit	double, 36 bit	double, 36 bit
Supply	10...30 V dc	10...30 V dc	10...30 V dc
Steps per turn	262.144	262.144	262.144
Number of absolutely detected turns	256.000	256.000	256.000
Measurement range	-	-	2,5/5/7,5/10/15/30/40 m
Available shaft dimensions	10 flat, 10 round with keyway	12 H7, 14 H7, 15 H7	-
Connector orientation	radial	radial	radial
Working temperature	-20...+75°C, option -40...+85°C	-20...+75°C, option -40...+85°C	-20...+75°C, option -40...+85°C
Protection class	IP65, others on request	IP65, others on request	IP65, others on request
Interfaces	CANopen + CANopen SSI + SSI SSI + INC	CANopen + CANopen SSI + SSI SSI + INC	CANopen + CANopen SSI + SSI SSI + INC
Weblink	https://www.tr-electronic.com/s/S024782	https://www.tr-electronic.com/s/S024783	https://www.tr-electronic.com/s/S024784
QR-Code			

Can't find the right variant? Please contact us (info@tr-electronic.de)

CR_582 – SSI+SSI, SSI+INK

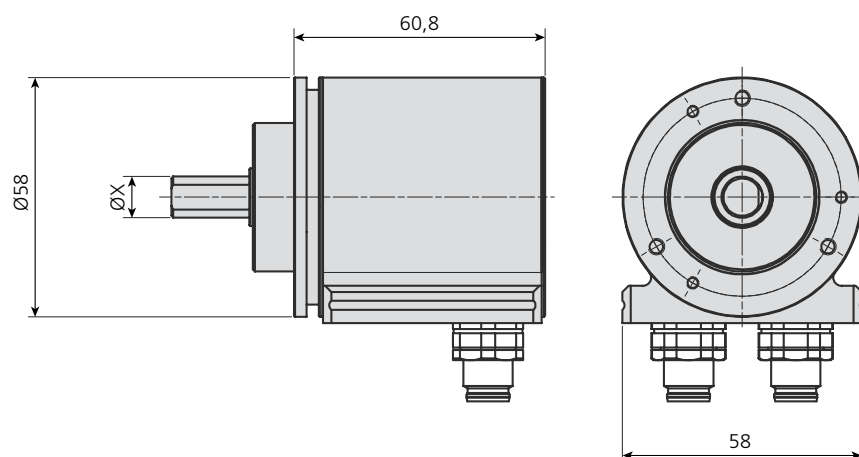


CR_582 – CANopen+CANopen

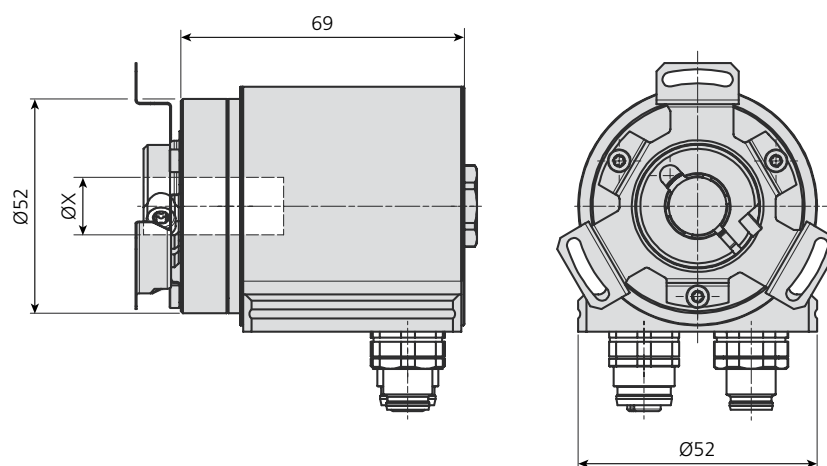


Sketches

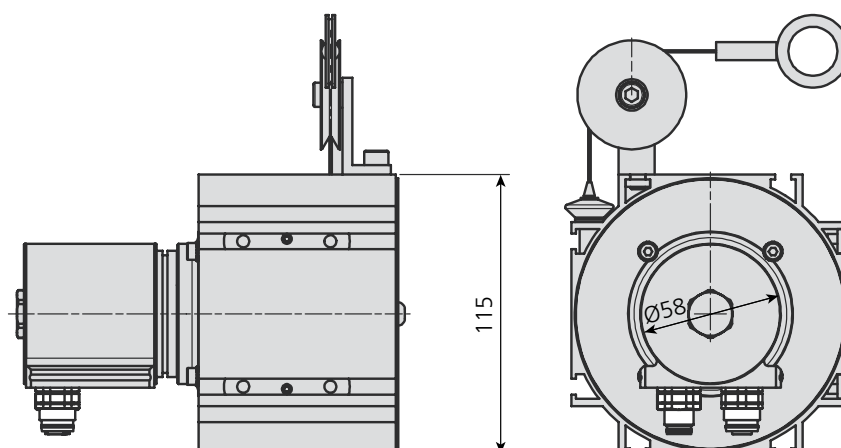
CRV582



CRS582



CRW582



Headquarters

TR-Electronic GmbH
Eglishalde 6
D-78647 Trossingen
Germany
Tel.: +49/7425 228-0
Fax: +49/7425 228-33
info@tr-electronic.de
www.tr-electronic.de

Belgium

TR-Electronic Benelux
Dorpstraat 18C
NL-5386AM Geffen
Tel.: +31/73 844 9600
Mobil: +31/6383 28 303
rene.verbruggen@tr-electronic.nl
www.tr-electronic.nl

Czech Republic, Slovakia

DEL a.s.
Biskupský dvůr 1146/7
Nové Město
CZ-110 00 Praha 1
Tel.: +420/566 657 100
Fax: +420/566 621 657
tr-electronic@del.cz
www.del.cz

Great Britain

TR-Electronic Ltd.
4 William House, Old St.
Michaels Drive
GB-Braintree Essex CM7 2AA
Tel.: +44/1 371-876 187
Fax: +44/1 371-876 287
info@tr-electronic.co.uk
www.tr-electronic.co.uk

International

Argentina

AEA Aparatos Eléctricos Automáticos S.A.C.I.E.
Asunción 2130
AR-1419 Buenos Aires
Tel.: +54/11 - 4574 1155
Fax: +54/11 - 4574 2400
servicioalcliente@aea.com.ar
www.aea.com.ar

Brazil

Grupo C+Tecnologia
Rua dos Caetés 601
CEP - 05419-000
BR-Perdizes - São Paulo - SP
Tel.: +55/11-2168 655-4
Fax: +55/11-2168 655-5
info@autron.com.br
www.autron.com.br

Denmark

TR-Electronic Danmark ApS
Skærvegyden 7
DK-8723 Løsning
Tel.: +45/75 89 06 03
cbj@tr-electronic.dk
www.tr-electronic.dk

India

Spohn Burkhardt India
9th Main Road, 500,
33rd A Cross Road
7th Cross, 4th Block Jayanagar
IN-Bangaluru - 560 011, India
Mobile: +91/98451 46948
info@spobu-india.in
www.spobu-india.in

Australia (New Zealand)

Sensor Measurement
Unit 8/26 Shields Crescent
P.O. Box 1079
AU-Booragoon
Western Australia 6154
Tel.: +61/8-93 17 25 52
Fax: +61/8-93 17 24 52
sales@sensormeasurement.com.au
www.sensormeasurement.com.au

Canada

TR Electronic
P.O. Box 2543, Station B
CA-London
Ontario Canada N6A 4G9
Tel.: +1/519-452 1999
Fax: +1/519-452 1177
customercare@trelectronic.com
www.trelectronic.com

Finland

Sarlin Oy Ab
P.O. Box 750
FI-00101 Helsinki
Tel.: +358/10 - 550 4000
Fax: +358/10 - 550 4201
asiakaspalvelu@sarlin.com
www.sarlin.com

Israel

Dor Drives Systems 2020 Ltd.
P.O.Box 6
IL-4880500 Kibutz Einat
Tel.: +972/3 900 75 95
Fax: +972/3 900 75 99
info@doreng.co.il
www.doreng.co.il

Australia

Leuze electronic PTY Ltd.
Unit 2/843 Mountain Highway
Bayswater VIC 3153
Tel.: +61/1300 538 933
Fax: +61/3 9738 2677
sales@leuze.com.au
www.leuze.com.au

Chile

Allware
Casa Haverbeck
General Lagos 2060 2° Piso
Region de Los Rios Valdivia
CHL-Santiago Chile
Tel.: +56 63/239298
Sales@allware.cl
www.allware.cl

Finland

TR Electronic Oy
Viklotie 4-6
FI-01450 Vantaa
Tel.: +358/9 424 582 69
info@trelectronic.fi
info@trelectronic.fi

Italy

Telestar S.r.l.
Via Novara, 35
IT-28010 Vaprio D'Agogna (NO)
Tel.: +39/03-21 966-768
Fax: +39/03-21 966-281
telestar@telestar-automation.it
www.telestar-automation.it

Austria

TR-Electronic GmbH
Tragösserstraße 117
A-8600 Bruck/Mur
Tel.: +43/3862-55006 0
Fax: +43/3862-55006 33
info@tr-electronic.at
www.tr-electronic.at

China

TR-Electronic (Beijing) CO., Ltd.
Building G3, Baiyiwen Park,
Jiu Xian Qiao Nan Road No. 9
Chaoyang District
CN-100027 Beijing, P.R. China
Tel.: +86/10 - 582 386 55
Fax: +86/10 - 582 372 10
lu.yu@tr-electronic.de
www.tr-electronic.com.cn

France

TR-Electronic France SARL
1 Avenue
Christian Doppler - Bat 2
FR-77700 Serris
Tel.: +33/1-64 63 68 68
Fax: +33/1-61 10 17 66
info@tr-electronic.fr
www.tr-electronic.fr

Japan

SANTEST CO. Ltd.
1-60 Tsuneyoshi, 1-Chome
Konohanaku
J-Osaka 554-8691
Tel.: +81/6-6465 5561
Fax: +81/6-6465 5921
info@santest.co.jp
www.santest.co.jp

Mexico

TR Electronic
P.O. Box 2543, Station B
CA-London, Ontario Canada
N6A 4G9
Tel.: +1/519-452 1999
Fax: +1/519-452 1177
customercare@trelectronic.com
www.trelectronic.com

Republic of Korea

MS Intech Co., Ltd.
B-306 SK Twintech Tower
345-9 Gasan-dong/
Geumcheon-gu
KR-08589 Seoul
Tel.: +82/2-334 0577
Fax: +82/2-862 1591
sales@msintech.com
www.msintech.com

South Africa

Angstrom Group (Pty) Ltd.
Sybrand van Niekerk
Business Park Meyerton
19 Tom Muller Road
ZA-1960 Meyerton
Tel.: +27/362 0300
info@angstromeng.co.za
www.angstromgroup.co.za

Thailand

T+R Electronic (Thailand) Co., Ltd.
120/62 Moo 8 Bang Sare
TH-Sattahip, Chonburi 20250
Tel.: +66/38 737 487
Fax: +66/38 737 171
trthailand@trelectronic.co.th
www.trelectronic.co.th

Netherlands

TR-Electronic Benelux
Dorpstraat 18C
NL-5386AM Geffen
Tel.: +31/73 844 9600
Mobil: +31/6383 28 303
rene.verbruggen@tr-electronic.nl
www.tr-electronic.nl

Russia

Sensotek LLC
Kievskoye highway 22 km
(Moskovskiy settlement)
housing estate 4, building 5,
office 505E
RU-108811 Moscow
Tel.: +7/495 181-56-67
Fax: +7/495 181-56-67
info@sensotek.ru
www.sensotek.ru

Spain, Portugal

Intertronic Internacional, SL
C/Johannes Gutenberg, 4 y 6
Parque Tecnológico Paterna
ES-46980 Valencia
Tel.: +34/963 758 050
Fax: +34/963 751 022
info@intertronic.es
www.intertronic.es

Turkey

ÜNİVERSA İÇ ve DIŞ TİC. MAK.
SAN. LTD. ŞTİ.
Cemal Gürsel Caddesi No: 11/7
TR-35600 Karşıyaka-İZMİR
Tel.: +90/232 382 23 14
Fax: +90/232 382 23 24
info@universa.com.tr
www.universa.com.tr

Norway

TR Electronic Sweden AB
Djupdalsvägen 10
SE-192 51 Sollentuna
Tel.: +46/8-756 72 20
Fax: +46/8-756 76-80
info@trelectronic.se
www.trelectronic.se

Saudi-Arabia

Business Tribune Company Ltd.
4237 Ad Danah
King Abdulaziz Road
SA-32437-6887 Ad Dammam
Tel.: +966/3-832 72-17
Fax: +966/3-832 72-41
waleed@btc-ksa.com
www.btc-ksa.com

Sweden

TR Electronic Sweden AB
Djupdalsvägen 10
SE-192 51 Sollentuna
Tel.: +46/8-756 72 20
Fax: +46/8-756 76-80
info@trelectronic.se
www.trelectronic.se

USA (TR-Electronic)

TR Electronic
200 East Big Beaver Road
Suite 164
US-Troy, MI 48083
Tel.: +1/248-244-2280
Fax: +1/248-244-2283
customercare@trelectronic.com
www.trelectronic.com

Peru

Grupo C+Tecnologia
Rua dos Caetés 601
CEP-05419-000
BR-Perdizes - São Paulo - SP
Tel.: +55/11-2168 6554
Fax: +55/11-2168 6555
info@autron.com.br
www.autron.com.br

Singapore

Globaltec Electronics
(Far East) Pte. Ltd.
50 Bukit Batok Street 23
#06-27 Midview Building
SG-659578 Singapore
Tel.: +65/6267 9188
Fax: +65/6267 8011
janice@globaltec.com.sg
www.globaltec.com.sg

Switzerland

TR-Electronic SA
14, Ch. Pré-Fleuri
CH-1228 Plan-les-Ouates/Genève
Tel.: +41/22-7 94 21 50
Fax: +41/22-7 94 21 71
info@tr-electronic.ch
www.tr-electronic.ch

USA (TRsystems)

TRS Fieldbus Systems, Inc.
666 Baldwin Court
US-Birmingham, MI 48009
Tel.: +1/586 826-9696
Fax: +1/586 826-9697
support@trs-fieldbus.com
www.trs-fieldbus.com

Poland

Stoltronic-Polska Sp.z o.o. Sp.k.
Ul. Papiernicza 7e,
P - 92-312 Łódź
Tel.: +48/42 649 12 15
Fax: +48/42 649 11 08
stoltronic@stoltronic.pl
www.stoltronic.pl

Slovenia

S.M.M. d.o.o.
Jaskova 18
SI-2001 Maribor
Tel.: +386/2450 2300
Fax: +386/2450 2302
info@smm.si
www.smm.si

Taiwan

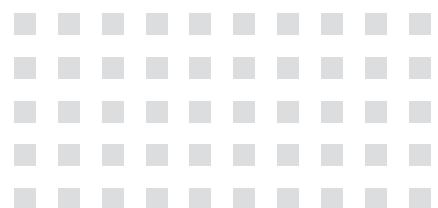
TR-Electronic (Beijing) CO., LTD.
Room 717 / 718, Building A2
Electronic City Science Park
Jiu Xian Qiao Dong Road No. 9
Chaoyang District
CN-100027 Beijing, P.R. China
Tel.: +86/10 - 582 386 55
Fax: +86/10 - 582 372 10
lu.yu@tr-electronic.de
www.tr-electronic.com.cn

TR-Electronic GmbH

Eglishalde 6
D - 78647 Trossingen

Tel. +49 7425 228-0
Fax +49 7425 228-33

info@tr-electronic.de
www.tr-electronic.de



Last update: 11/2020

68-105-136 · TR-V-PR-GB-0040-00

Subject to technology and design modifications.

Cover photo background: ©kras99-fotolia.com