Gesamtbedienungsanleitung

Für
IH20*1024 KABELSENDER

Material Nr.
240-00005

Generiert am
08.11.2026

Enthält Originalbedienungsanleitung

Abb. ähnlich

Dokumentationsabschnitte

Technische Info de/en Info, Montagebeispiele IH-20	TR-ECE-TI-DGB-0232-00.pdf
Konformitätserklärung de/en EU-Konformitätserklärung ECE (EMV+RoHS)	TR-ECE-KE-DGB-0374v08.pdf
Konformitätserklärung de/en UKCA, Konformitätserkl. ECE (EMV+RoHS)	TR-ECE-KE-GB-0375v07.pdf
Technische Daten	

Änderungen vorbehalten.

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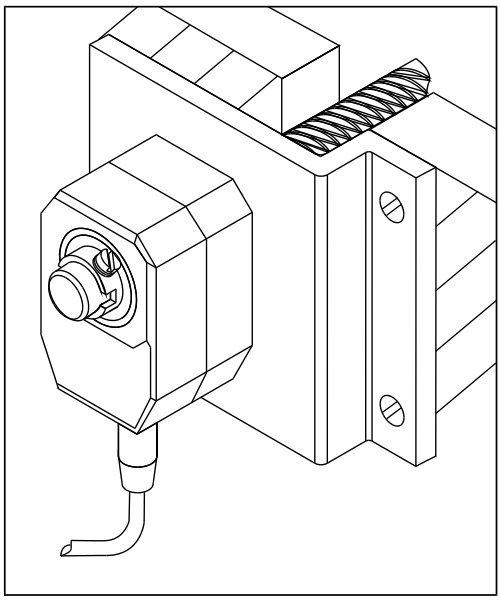
www.tr-electronic.de

Montagebeispiele IH-20 / *Mounting Examples IH-20*

Beispiel / *Example* 1



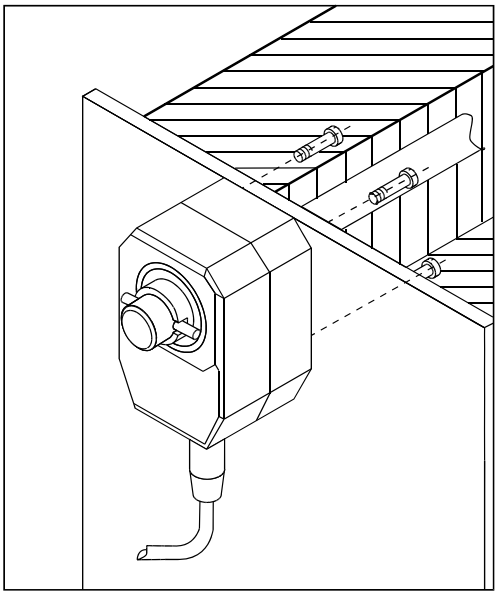
Montage mit Schraubklemme:

Hohlwelle des Mess-Systems auf die Antriebswelle aufschieben und die Schraubklemme fest anziehen.

Mounting with screw clamping:

Put the hollow shaft of the measuring system over the drive shaft and turn the screw tight.

Beispiel / *Example* 2



Montage mit Wellen-Kerb-Nut und Pass-Stift:

Hohlwelle des Mess-Systems auf die Antriebswelle aufschieben und den Pass-Stift durch die Antriebswelle in die Kerb-Nut der Hohlwelle einsetzen.

Mounting with shaft groove and pin:

Put the hollow shaft of the measuring system over the drive shaft and put the pin trough the drive shaft in the shaft groove of the hollow shaft.

Das Mitdrehen des Mess-Systems kann durch die Verschraubung von der Maschinenseite her verhindert werden. (Abmaße siehe Kundenzeichnung)

To prevent the turning of the measuring system it must be mounted with screws from the machine side. (Dimensions see customer drawing)

Änderungen vorbehalten / Subject to change

EU-Konformitätserklärung / *EU Declaration of Conformity*

Die in der angehängten Gültigkeitsliste aufgeführten Rotativ Mess-Systeme wurde entwickelt, konstruiert und gefertigt in Übereinstimmung der folgenden EU-Richtlinien bzw. EU-Verordnungen:

The rotary measuring systems listed in the attached list of validity have been developed, designed and manufactured in accordance with the following EU directives and EU regulations:

Elektromagnetische Verträglichkeit (EMV) *Electromagnetic Compatibility (EMC)*	**2014/30/EU (L 96/79)**
Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS) *Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)*	**2011/65/EU (L 174/88)**
Cybersicherheitsanforderungen - Verordnung (CRA) *Cyber Resilience Act - Regulation (CRA)*	**(EU) 2024/2847 (L)**

in alleiniger Verantwortung von / *under the sole responsibility of*:

TR Electronic GmbH
Eglishalde 6
D - 78647 Trossingen
Tel.:+49 7425/228-0
E-Mail: info@tr-electronic.de
Deutschland / *Germany*

Folgende harmonisierte Normen wurden angewandt / *The following harmonized standards were applied*:

Fachgrundnorm Elektromagnetische Verträglichkeit, Störfestigkeit (Industriebereich) *Generic standards - Electromagnetic compatibility, Immunity (Industrial environments)*	**EN 61000-6-2:2005/AC:2005**
Fachgrundnorm Elektromagnetische Verträglichkeit, Störaussendung (Wohnbereich) *Generic standards - Electromagnetic compatibility, Emissions (Commercial environments)*	**EN 61000-6-3:2007/A1:2011**
Technische Dokumentation zur Beurteilung von Elektro- und Elektronikgeräten hinsichtlich der Beschränkung gefährlicher Stoffe *Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances*	**EN IEC 63000:2018**

Sonstige angewandte Normen und Technische Richtlinien / *Other applied standards and technical guidelines*:

Anforderungen an die Cybersicherheit für Hersteller und Produkte - Teil 1: Allgemeine Anforderungen *Cyber Resilience Requirements for Manufacturers and Products - Part 1: General requirements*	**BSI TR-03183-1, Version 0.10.0**
Anforderungen an die Cybersicherheit für Hersteller und Produkte - Teil 2: Spezifikation der Software-Komponenten *Cyber Resilience Requirements for Manufacturers and Products - Part 2: Software Bill of Materials*	**BSI TR-03183-2, Version 2.1.0**
Anforderungen an die Cybersicherheit für Hersteller und Produkte - Teil 3: Sicherheitslückenberichte und Sicherheitsmeldungen *Cyber Resilience Requirements for Manufacturers and Products - Part 3: Vulnerability Reports and Notifications*	**BSI TR-03183-3, Version 1.0.0**
Cybersicherheitsanforderungen für Produkte mit digitalen Bestandteilen - Teil 1-3: Umgang mit Schwachstellen *Cybersecurity requirements for products with digital elements - Part 1-3: Vulnerability Handling*	**prEN 40000-1-3:2025**

Trossingen, 07/02/2026

Klaus Tessari, Geschäftsleitung / CEO

Gültigkeitsliste / *List of validity*

Baugröße / *Size*: 20

Order No.: 240-xxxxx
Type: IH20

Baugröße / *Size*: 22

Order No.: CMV22x-xxxxx, CMV22x-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CMV22, CMW22

Baugröße / *Size*: 24

Order No.: 209-xxxxx
Type: IEV24, IES24

Baugröße / *Size*: 36

Order No.: Cxx36x-xxxxx, 0000-xxxxx
Type: CEV36, CES36, COV36, COS36, CDV36, CDF36, CMV36, CMS36, CMF36

Order No.: Ixx36x-xxxxx
Type: IMV36, IMS36, IMF36

Order No.: Cxx362x-xxxxx
Type: CEV362, CES362, CEK362, CEW362, COV362, COS362, COK362, COW362, CMV362, CMS362, CMK362, CMW362

Baugröße / *Size*: 38

Order No.: IEV38H-xxxxx
Type: IEV38H

Baugröße / *Size*: 48

Order No.: 156-xxxxx
Type: MG48M

Baugröße / *Size*: 51

Order No.: 0000-xxxxx
Type: CMV51

Baugröße / *Size*: 58

Order No.: Cxx58x-xxxxx, 0042-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CEV58, CES58, CEH58, CEK58, CEW58, CDV58, CDS58, CDH58, CDK58, CDW58, CMV58, CMS58, CMH58, CMK58, CMW58, COV58, COS58, COH58, COK58, COW58, CPV58, CPS58, CPH58, CPK58, CPW58

Order No.: Cxx582x-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CMV582, CMS582, CMK582, CMW582, CEV582, CES582, CEH582, CEK582, CEW582, COV582, COS582, COH582, COK582, COW582, CPV582, CPS582, CPH582, CPK582, CPW582, CRV582, CRS582, CRH582, CRK582, CRW582, CDW582

Order No.: Ixx58-xxxxx, Ixx58H-xxxxx, Ixx58F-xxxxx
Type: IEV58, IES58, IEH58, IEK58, IEW58, IDV58, IDS58, IDH58, IDK58, IDW58, IMV58, IMS58, IMH58, IMK58, IMW58, IOV58, IOS58, IOH58, IOK58, IOW58, IPV58, IPS58, IPH58, IPK58, IPW58, IRS58, IRV58

Order No.: Ixx582-xxxxx, 0000-xxxxx
Type: IEV582, IES582, IEH582, IEK582, IEW582, IOV582, IOS582, IOH582, IOK582, IOW582, IPV582, IPS582, IPH582, IPK582, IPW582, IRS582, IRV582

Order No.: 5800-xxxxx, 5802-xxxxx, 5820-xxxxx, 5822-xxxxx, 5832-xxxxx, 5840-xxxxx, 5842-xxxxx, 5844-xxxxx, 5852-xxxxx, 5862-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx, 0022-xxxxx
Type: CE58, CS58, CH58, CK58, ME58

Order No.: 210-xxxxx, 219-xxxxx, 242-xxxxx, 5810-xxxxx, 5812-xxxxx, 5830-xxxxx, 5850-xxxxx, 5870-xxxxx
Type: IE58, IV58, IS58, IH58, IK58

Order No.: 174-xxxxx, 180-xxxxx
Type: ZE58, ZI58

Order No.: HEx58x-xxxxx
Type: HEV58, HES58, HEH58, HEK58, HEW58

Order No.: 207-xxxxx
Type: HE58S

Baugröße / *Size*: 60

Order No.: 0000-xxxxx
Type: FMV60

Baugröße / *Size*: 62

Order No.: IEV62-xxxxx
Type: IEV62

Baugröße / *Size*: 65

Order No.: 110-xxxxx, 111-xxxxx, 113-xxxxx, 114-xxxxx, 121-xxxxx, 122-xxxxx, 0062-xxxxx, 0002-xxxxx, 0022-xxxxx
Type: CE65, CK65, CS65

Order No.: Cxx65x-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CEV65, CES65, CEH65, CEK65, CEW65, CDV65, CDS65, CDH65, CDK65, CDW65, CMV65, CMS65, CMH65, CMK65, CMW65, COV65, COS65, COH65, COK65, COW65, CXV65, CXS65, CXH65, CXK65, CXW65

Order No.: 6500-xxxxx, 6502-xxxxx, 6520-xxxxx, 6522-xxxxx, 6540-xxxxx, 6542-xxxxx, 6560-xxxxx, 6562-xxxxx
Type: XE65, XS65, XH65, XK65

Order No.: 118-xxxxx, 119-xxxxx, 170-xxxxx, 171-xxxxx, 175-xxxxx, 176-xxxxx
Type: ZK65, ZE65, ZH65

Order No.: 116-xxxxx, 117-xxxxx, 126-xxxxx, 127-xxxxx, 205-xxxxx, 206-xxxxx
Type: HK65, HS65, HE65

Order No.: HEx65x-xxxxx, 0062-xxxxx
Type: HEV65, HES65, HEH65, HEK65, HEW65

Baugröße / *Size*: 70

Order No.: 0000-xxxxx
Type: IES70

Baugröße / *Size*: 75 (nicht sicherheitsgerichtet / *not safety-related*)

Order No.: CDV75M-xxxxx, CDH75M-xxxxx, CDW75M-xxxxx
Type: CDV75M, CDH75M, CDW75M

Order No.: 155-xxxxx
Type: MG75M

Baugröße / *Size*: 76

Order No.: 243-xxxxx
Type: IH76A

Baugröße / *Size*: 80, 81

Order No.: CEH80x-xxxxx, COH80x-xxxxx
Type: CEH80, COH80

Order No.: CES80x-xxxxx, COS80x-xxxxx
Type: CES80, COS80

Order No.: CEH802x-xxxxx, COH802x-xxxxx
Type: CEH802, COH802

Order No.: CES802x-xxxxx, COS802x-xxxxx
Type: CES802, COS802

Order No.: IEH80-xxxxx
Type: IEH80

Order No.: 260-xxxxx, 261-xxxxx
Type: ZH80, ZH81

Order No.: Qxx8xx-xxxxx
Type: QEH80, QDH80, QEH81, QDH81, QXH80, QXH81

Baugröße / *Size*: 84

Order No.: Cxx84x-xxxxx
Type: CEV84, CEW84, COV84

Order No.: Cxx842x-xxxxx
Type: CMV842, CMW842, CEV842, CEW842, COV842, COW842, CPV842, CPW842, CDV842, CDW842

Order No.: IEV84-xxxxx
Type: IEV84

Baugröße / *Size*: 99

Order No.: Ix99-xxxxx
Type: IS99, IV99

Baugröße / *Size*: 100

Order No.: 100-xxxxx, 101-xxxxx, 102-xxxxx, 103-xxxxx, 105-xxxxx
Type: CE100

Order No.: 200-xxxxx, 203-xxxxx
Type: AE100

Order No.: CEx100x-xxxxx
Type: CEV100, CES100, CEH100
Order No.: 201-xxxxx, 202-xxxxx
Type: HE100

Order No.: HEx100x-xxxxx
Type: HEV100, HES100, HEH100

Order No.: 172-xxxxx, 173-xxxxx
Type: ZE100, ZE115

Order No.: 235-xxxxx
Type: IE100, IE101

Order No.: IEx100-xxxxx
Type: IEV100, IES100, IEH100

Baugröße / *Size*: 110

Order No.: CEH110x-xxxxx, COH110x-xxxxx
Type: CEH110, COH110

Order No.: CEH1102x-xxxxx, COH1102x-xxxxx
Type: CEH1102, COH1102

Baugröße / *Size*: 115

Order No.: CEV115x-xxxxx, CEW115x-xxxxx, CDV115x-xxxxx, CDW115x-xxxxx, COV115x-xxxxx, COW115x-xxxxx
Type: CEV115, CEW115, CDV115, CDW115, COV115, COW115

Order No.: Cxx1152x-xxxxx, 0002-xxxxx
Type: CMV1152, CMW1152, CEV1152, CEW1152, COV1152, COW1152, CPV1152, CPW1152, CDV1152, CDW1152, CRV1152

Baugröße / *Size*: 120

Order No.: 245-xxxxx
Type: IH120A

Baugröße / *Size*: 130, 131

Order No.: IxH130-xxxxx
Type: IEH130, IOH130, IDH130

Order No.: IxH1302-xxxxx
Type: IEH1302, IOH1302

Order No.: IxH131-xxxxx
Type: IRH131

Schnittstellenbox / *Interface box*:

Order No.: CIB2X-xxxxx
Type: CIB2X

Schnittstellenbox / *Interface box*:

Order No.: CMB2X-xxxxx
Type: CMB2X

UK Declaration of Conformity

The rotary measuring systems listed in the attached list of validity have been developed, designed and manufactured in accordance with the UK statutory instruments and their amendments:

The Electromagnetic Compatibility Regulations 2016	**S.I. 2016 No. 1091**
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012	**S.I. 2012 No. 3032**

under the sole responsibility of the manufacturer:

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D - 78647 Trossingen
Tel.:+49 7425/228-0
E-Mail: info@tr-electronic.de
Germany

Name and address of authorised representative:

TR Electronic Ltd.
2 Barford Exchange
Wellesbourne Road
GB – Barford, Warwick, Warwickshire CV35 8AQ
Tel.:+44 1926 75 41 41
E-Mail: info@tr-electronic.co.uk

The following designated standards were applied:

Generic standards - Electromagnetic compatibility, Immunity (Industrial environments)	**EN 61000-6-2:2005/AC:2005**
Generic standards - Electromagnetic compatibility, Emissions (Commercial environments)	**EN 61000-6-3:2007/A1:2011**
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	**EN IEC 63000:2018**

Trossingen, 13/02/2026

Mr. Klaus Tessari, CEO

List of validity

Size: 20

Order No.: 240-xxxxx
Type: IH20

Size: 22

Order No.: CMV22x-xxxxx, CMV22x-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CMV22, CMW22

Size: 24

Order No.: 209-xxxxx
Type: IEV24, IES24

Size: 36

Order No.: Cxx36x-xxxxx, 0000-xxxxx
Type: CEV36, CES36, COV36, COS36, CDV36, CDF36, CMV36, CMS36, CMF36

Order No.: Ixx36x-xxxxx
Type: IMV36, IMS36, IMF36

Order No.: Cxx362x-xxxxx
Type: CEV362, CES362, CEK362, CEW362, COV362, COS362, COK362, COW362, CMV362, CMS362, CMK362, CMW362

Size: 38

Order No.: IEV38H-xxxxx
Type: IEV38H

Size: 48

Order No.: 156-xxxxx
Type: MG48M

Size: 51

Order No.: 0000-xxxxx
Type: CMV51

Size: 58

Order No.: Cxx58x-xxxxx, 0042-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CEV58, CES58, CEH58, CEK58, CEW58, CDV58, CDS58, CDH58, CDK58, CDW58, CMV58, CMS58, CMH58, CMK58, CMW58, COV58, COS58, COH58, COK58, COW58, CPV58, CPS58, CPH58, CPK58, CPW58

Order No.: Cxx582x-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CMV582, CMS582, CMK582, CMW582, CEV582, CES582, CEH582, CEK582, CEW582, COV582, COS582, COH582, COK582, COW582, CPV582, CPS582, CPH582, CPK582, CPW582, CRV582, CRS582, CRH582, CRK582, CRW582, CDW582

Order No.: Ixx58-xxxxx, Ixx58H-xxxxx, Ixx58F-xxxxx
Type: IEV58, IES58, IEH58, IEK58, IEW58, IDV58, IDS58, IDH58, IDK58, IDW58, IMV58, IMS58, IMH58, IMK58, IMW58, IOV58, IOS58, IOH58, IOK58, IOW58, IPV58, IPS58, IPH58, IPK58, IPW58, IRS58, IRV58

Order No.: Ixx582-xxxxx, 0000-xxxxx
Type: IEV582, IES582, IEH582, IEK582, IEW582, IOV582, IOS582, IOH582, IOK582, IOW582, IPV582, IPS582, IPH582, IPK582, IPW582, IRS582, IRV582

Order No.: 5800-xxxxx, 5802-xxxxx, 5820-xxxxx, 5822-xxxxx, 5832-xxxxx, 5840-xxxxx, 5842-xxxxx, 5844-xxxxx, 5852-xxxxx, 5862-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx, 0022-xxxxx
Type: CE58, CS58, CH58, CK58, ME58

Order No.: 210-xxxxx, 219-xxxxx, 242-xxxxx, 5810-xxxxx, 5812-xxxxx, 5830-xxxxx, 5850-xxxxx, 5870-xxxxx
Type: IE58, IV58, IS58, IH58, IK58

Order No.: 174-xxxxx, 180-xxxxx
Type: ZE58, ZI58

Order No.: HEx58x-xxxxx
Type: HEV58, HES58, HEH58, HEK58, HEW58

Order No.: 207-xxxxx
Type: HE58S

Size: 60

Order No.: 0000-xxxxx
Type: FMV60

Size: 62

Order No.: IEV62-xxxxx
Type: IEV62

Size: 65

Order No.: 110-xxxxx, 111-xxxxx, 113-xxxxx, 114-xxxxx, 121-xxxxx, 122-xxxxx
0062-xxxxx, 0002-xxxxx, 0022-xxxxx
Type: CE65, CK65, CS65

Order No.: Cxx65x-xxxxx, 0062-xxxxx, 0000-xxxxx, 0002-xxxxx
Type: CEV65, CES65, CEH65, CEK65, CEW65, CDV65, CDS65, CDH65, CDK65, CDW65, CMV65, CMS65, CMH65, CMK65, CMW65, COV65, COS65, COH65, COK65, COW65, CXV65, CXS65, CXH65, CXK65, CXW65

Order No.: 6500-xxxxx, 6502-xxxxx, 6520-xxxxx, 6522-xxxxx, 6540-xxxxx, 6542-xxxxx, 6560-xxxxx, 6562-xxxxx
Type: XE65, XS65, XH65, XK65

Order No.: 118-xxxxx, 119-xxxxx, 170-xxxxx, 171-xxxxx, 175-xxxxx, 176-xxxxx
Type: ZK65, ZE65, ZH65

Order No.: 116-xxxxx, 117-xxxxx, 126-xxxxx, 127-xxxxx, 205-xxxxx, 206-xxxxx
Type: HK65, HS65, HE65

Order No.: HEx65x-xxxxx, 0062-xxxxx
Type: HEV65, HES65, HEH65, HEK65, HEW65

Size: 70

Order No.: 0000-xxxxx
Type: IES70

Size: 75 (not safety-related)

Order No.: CDV75M-xxxxx, CDH75M-xxxxx, CDW75M-xxxxx
Type: CDV75M, CDH75M, CDW75M

Order No.: 155-xxxxx
Type: MG75M

Size: 76

Order No.: 243-xxxxx
Type: IH76A

Size: 80, 81

Order No.: CEH80x-xxxxx, COH80x-xxxxx
Type: CEH80, COH80

Order No.: CES80x-xxxxx, COS80x-xxxxx
Type: CES80, COS80

Order No.: CEH802x-xxxxx, COH802x-xxxxx
Type: CEH802, COH802

Order No.: CES802x-xxxxx, COS802x-xxxxx
Type: CES802, COS802

Order No.: IEH80-xxxxx
Type: IEH80

Order No.: 260-xxxxx, 261-xxxxx
Type: ZH80, ZH81

Order No.: Qxx8xx-xxxxx
Type: QEH80, QDH80, QEH81, QDH81, QXH80, QXH81

Size: 84

Order No.: Cxx84x-xxxxx
Type: CEV84, CEW84, COV84

Order No.: Cxx842x-xxxxx
Type: CMV842, CMW842, CEV842, CEW842, COV842, COW842, CPV842, CPW842, CDV842, CDW842

Order No.: IEV84-xxxxx
Type: IEV84

Size: 99

Order No.: Ix99-xxxxx
Type: IS99, IV99

Size: 100

Order No.: 100-xxxxx, 101-xxxxx, 102-xxxxx, 103-xxxxx, 105-xxxxx
Type: CE100

Order No.: 200-xxxxx, 203-xxxxx
Type: AE100

Order No.: CEx100x-xxxxx
Type: CEV100, CES100, CEH100

Order No.: 201-xxxxx, 202-xxxxx
Type: HE100

Order No.: HEx100x-xxxxx
Type: HEV100, HES100, HEH100

Order No.: 172-xxxxx, 173-xxxxx
Type: ZE100, ZE115

Order No.: 235-xxxxx
Type: IE100, IE101

Order No.: IEx100-xxxxx
Type: IEV100, IES100, IEH100

Size: 110

Order No.: CEH110x-xxxxx, COH110x-xxxxx
Type: CEH110, COH110

Order No.: CEH1102x-xxxxx, COH1102x-xxxxx
Type: CEH1102, COH1102

Size: 115

Order No.: CEV115x-xxxxx, CEW115x-xxxxx, CDV115x-xxxxx, CDW115x-xxxxx, COV115x-xxxxx, COW115x-xxxxx
Type: CEV115, CEW115, CDV115, CDW115, COV115, COW115

Order No.: Cxx1152x-xxxxx, 0002-xxxxx
Type: CMV1152, CMW1152, CEV1152, CEW1152, COV1152, COW1152, CPV1152, CPW1152, CDV1152, CDW1152, CRV1152

Size: 120

Order No.: 245-xxxxx
Type: IH120A

Size: 130, 131

Order No.: IxH130-xxxxx
Type: IEH130, IOH130, IDH130

Order No.: IxH1302-xxxxx
Type: IEH1302, IOH1302

Order No.: IxH131-xxxxx
Type: IRH131

***Interface box*:**

Order No.: CIB2X-xxxxx
Type: CIB2X

***Interface box*:**

Order No.: CMB2X-xxxxx
Type: CMB2X

IH20*1024 KABELSENDER

Pulse 1024 11-27V / 5V Binder/12

Ref.: 240-00005
08.11.2026
010101002099999999

Abb. ähnlich

Vorteile
_ Robuste Bauform
_ Universelle Anwendungen

Technische Daten zu 240-00005

IMPULSZAHL	1024
SCHNITTSTELLE	INKREMENTAL
KANALZAHL	(K1/K2)+NEG
NULLIMPULS	
VERSORGUNGSSPANNUNG	11-27V
AUSGANGSPEGEL	5V
SCHUTZART	IP65
AUSG-FREQUENZ	100 KHZ
ABTASTUNG	HP-ABTASTUNG
WELLENAUSFUEHRUNG	20H7 HOHLWELLE
ANSCHLUSSART	BINDER 12P
ANSCHLUSSRICHTUNG	
KABELLAENGE	

Änderungen vorbehalten.

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IH20*1024 KABELSENDER

Pulse 1024 11-27V / 5V Binder/12

Ref.: 240-00005
08.11.2026
010101002099999999

Technische Daten zu 240-00005

GEGENSTECKER	JA
STECKERBELEGUNGSNR	1256
OPTION ENC	
ZEICHNUNGSNR	04-150-005
VERSIONSNR	
DOKUMENTATIONS-NR	DOKUMENTE
AL:	N
ECCN:	N

Allgemeine Daten zu K-IH20-INK-1

Nennspannung - Kennwert	24 VDC
- Grenzwerte, min/max	11/27 VDC
Nennstrom, typisch - Kennwert	100 mA
- Zustand	ohne Last
Versorgung - Optional	5 VDC ± 5 %
Signalform	Rechteck
Inkrementalsignale, Rechteck - Kanäle	K1+, K1-, K2+, K2-
- Spurlage, elektrisch	90 °
- Spurlage, elektrisch	K2 nacheilend zu K1
- Drehrichtung	Gegenuhrzeigersinn
- Blickrichtung	Anflanschung
Nullimpuls, Rechteck - Kanal (Kanäle)	K0+, K0-, optional
- Anzahl pro Umdrehung	1x
Impulse/Umdrehung, Rechteck	1
	25
	30
	200
	218
	360

Änderungen vorbehalten.

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IH20*1024 KABELSENDER

Pulse 1024 11-27V / 5V Binder/12

Ref.: 240-00005
08.11.2026
010101002099999999

Allgemeine Daten zu K-IH20-INK-1

	500
	900
	1000
	1024
	andere auf Anfrage
Ausgangstreiber, TTL - Ausgangspegel	RS-422, 5 VDC
- Laststrom	<= 50 mA
- Schaltzeit	< 100 ns
Abtastfrequenz, TTL	100 kHz
Ausgangstreiber, HTL - Ausgangspegel	Gegentakt, Versorgungsspannung
- Laststrom	<= 30 mA
- Schaltzeit	< 500 ns
Abtastfrequenz, HTL	30 kHz
Drehzahl, elektrisch [1/min]	(f-Abtast/Imp.) * 60 1/min
Parametrisierungsart	Werkseinstellung
Maximal Drehzahl, mechanisch	<= 6000 1/min
Wellenbelastung, axial/radial	Eigenmasse
Lagerlebensdauer	>= 3,9E+10 Umdrehungen
Lagerlebensdauer - Beiwerte - Drehzahl	3000 1/min
- Betriebstemperatur	60 °C
Winkelbeschleunigung	<= 1,0E+5 rad/s²
Trägheitsmoment, typisch	2,5E-6 kg m²
Anlaufdrehmoment, 20 °C	2 Ncm
Rundlauftoleranz	± 0,03 mm
Masse, typisch	0,5 kg

Umgebungsbedingungen

Vibration - Kennwert	<= 100 m/s²
- Sinus	50…2000 Hz

Änderungen vorbehalten.

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Umgebungsbedingungen

Schock - Kennwert	<= 1000 m/s²
- Halbsinus	11 ms
Störfestigkeit	DIN EN 61000-6-2
Störaussendung	DIN EN 61000-6-3
Arbeitstemperatur - Standard	0…+60 °C
- Optional	-20…+70 °C;
Lagertemperatur, trocken	-30…+80 °C
Relative Luftfeuchte	98 %, keine Betauung
Schutzart - Standard	IP54

Änderungen vorbehalten.

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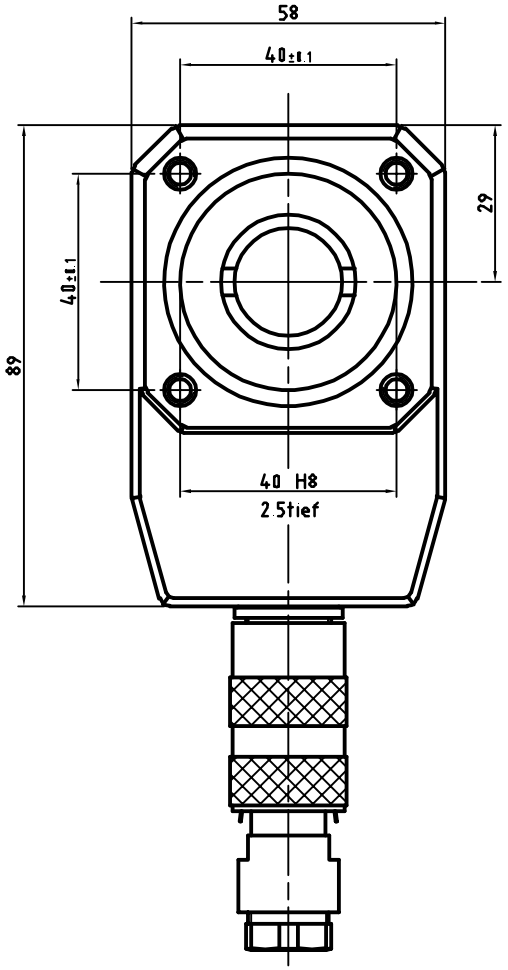

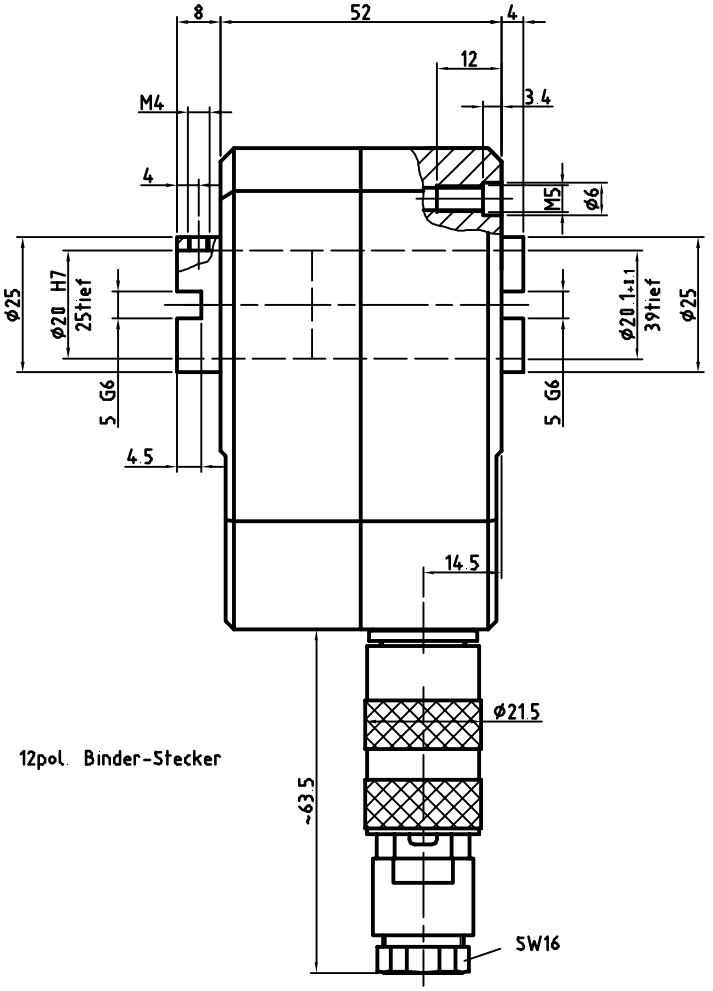

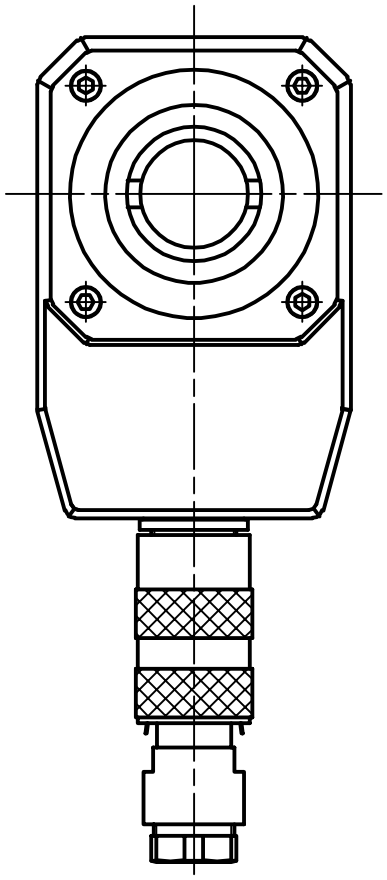

ARTIKEL-BEZ.:	**IH-20**
IMPULSZAHL	1024
AUSGANGSSTUFE	KABELSENDER
KANALZAHL	K1, K2 + neg.
NULLIMPULS	---
VERSORGUNGSSPANNUNG	11-27V
PEGELSPANNUNG	5V
SCHUTZART	IP65
GRENZTEMPERATUR	---
MAX. AUSGANGSFREQ.	100kHz
FLANSCHART	89x58x52
WELLE	Hohlwelle Innen ø20H7
STECKERART	12pol. Binder mit GEGENSTECKER
OPTIONEN	

40	H8	+0.039 0.000	40.039 40.000				
ø20	H7	+0.021 0.000	20.021 20.000				
5	G6	-0.012 -0.014	5.012 5.014				
Maß	Passung						

Zust.	Änderung	Datum	Name
3	Überarbeitung	15.05.01	Habeler
2	Überarbeitung	26.04.93	Habeler
1	Steckerart	07.01.93	Habeler

	Datum	Name
Erstellt	20.11.92	Koslowski
Bearb.		
Gepr.		
Norm		

Steckerbelegung: **1256**

EDV-NR.:

TR Electronic GmbH
Eglishalde 6
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Telefon 07425/228-0

Maßstab 1:1 DIN A3 Projekt-Nr.:

Artikel-NR.: 240-00005
Bestell-NR.:

IH-20
Hohlwellengeber

Zeichnungs-NR.: 04-150-005

Blatt 1

Pin assignment

Pin assignment number: 1256

Index: 13.01.2021

Connector name: 12-pol TUCHEL

Pin-count: 12

Pin	Designation	Description	Colour
A	Supply Voltage IN	Supply voltage	-
B	Ground IN	Ground	-
C	not connected		-
D	Ground IN	Ground	-
E	CH_A_OUT	Channel A	-
F	not connected		-
G	CH_B_OUT	Channel B	-
H	not connected		-
J	/CH_A_OUT	Channel A inverted	-
K	/CH_B_OUT	Channel B inverted	-
L	not connected		-
M	not connected		-

WARNING

'De-energize the system before carrying out wiring work or opening and closing electrical connections !
Short-circuits, voltage peaks, etc. can cause operating failures and uncontrolled operating states, as well as serious personal injuries and damage to property.

Verdrahtungsarbeiten, Öffnen und Schließen von elektrischen Verbindungen nur im spannungslosen Zustand durchführen ! Kurzschlüsse, Spannungsspitzen etc. können zur Fehlfunktion und unkontrollierten Zuständen der Anlage bzw. zu erheblichen Personen- und Sachschäden führen.
'