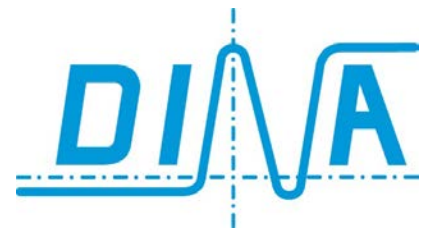


Kabeladapter Betriebsanleitung Cable adapter Instruction Manual





Wir sind Sicherheit

Beschreibung

Beschreibung	Description
Die Kabeladapter DNDA und DNRJ 45 sind eine Signalverbindung zwischen dem Messsystem einer Achse und DINA Sicherheitsprodukten zur Überwachung des Stillstands und anderen Betriebsarten.	The cable adaptors DNDA and DNRJ 45 are a signal connection between the measuring system of an axle and the DINA safety product to monitor the standstill and others function modes.
Beide Verbindungskabel können eingesetzt werden mit DNDS, SAFELINE und SL VARIO.	Both connection cable can be used with DNDS, SAFELINE and SL VARIO.
Sie sind lieferbar in den verschiedensten Varianten und Kabellängen passend zu jedem Antriebssystem.	They are deliverable in different variants and cable length suitable to every drive measuring system.

Technische Daten	
Umgebungsbedingung	
Betriebstemperatur	-10 → + 60°C
Lagertemperatur	-40 → + 85°C
Rüttelfestigkeit in allen 3 Ebenen	3 g, 32 Hz
Allgemeine .Angaben zum Gerät	
Gehäusematerial	PC, PA / VO (UL94)
Gewicht	300 g
Kabellänge Standard, andere auf Wunsch	2,5m

Technical data	
Environment condition	
Operating temperature	-10 → + 60°C
Storage temperature	-40 → + 85°C
Vibration tolerance on all 3 levels	3 g, 32 Hz
General information for the unit	
Housing material	PC, PA / VO (UL94)
Weight	300 g
Cable's length standard, other on request	2,5m

Symbol innerhalb der Überschrift		Symbol inside the title			
		Messsystemanschluss		Measuring system connection	
		Buchse F	Stecker M	Female F	Male M
RJ45 Kabel an der Seite von Pin 1, 9, 15, 25, 26	RJ45 Cable at the side of pin 1, 9, 15, 25, 26				

Beschreibung

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DNDA 9/8/ RJ45 ▶ Pin 9/ F

	Signal/ Index	X8-Lenze	Indel-SAC2	C99/D	C-88	NTI X12	MTU-1	Lust CDD/R	MD84
	or UB	4	9	5	1	1	9	---	4
	or-ws 0V	5	8	6	2	5	6	4	5
	gn-ws A	3	2	2	3	6	4	1	1
	gn A/	2	3	7	5	2	5	2	2
	bn-ws B	1	4	3	4	7	1	3	6
	bn B/	9	5	8	6	3	2	8	7
ID-No.:	93LE21	91PS23	91ZE21	91EC21	91NT21	91MT21	91LU09	93SM21	

Signal/ Index	SEW-X15Enc	IEF X4 E	SRS50M3
or UB	--	2	---
or-ws 0V	5	3	9
gn-ws A	1	1	1
gn A/	6	6	2
bn-ws B	2	9	3
bn B/	7	5	4
ID-No.:	92RE02	92IE21	93SR21

Signal/ Index	IEF X2A R	AX2000	Indel/R	AMK-X130	AC122	Lenze/R	SM-SD2 X8	Ferro con-2R	X15R-SEW	LTI
or UB		---	--	---	--			---	-	
or-ws 0V		---	--	---	--	3		---	-	
gn-ws A	1	8	4	3	4	6	1	4	1	1
gn A/	6	4	8	4	8	7	6	5	6	2
bn-ws B	2	7	3	5	3	4	4	3	2	3
bn B/	7	3	7	6	7	5	9	2	7	8
bl-ws REF	4	9	5	7	5	1	7	1	3	6
bl REF/	9	5	9	8	9	2	3	9	8	7
ID-No.:	91IE21	91AX21	91ID21	91AM21	92BR21	94LE21	91SM21	91FC22	91RE41	91LT01

DNDA 9/RJ ▶ Pin 9 / F

	Signal/ Index	C99/D
	or UB	5
	or-ws 0V	6
	gn-ws A	2
	gn A/	7
	bn-ws B	3
	bn B/	8
ID-No.:	91ZE51	

DNDA 9/8 HTL

	DNDA 9/8 Lenze/R1	SUBD9 -->RB	Referenzbildung	RB	RB --> RJ45-Kabel
	---	---		9	or 5V
	---	---		10	or-ws 0V
	6	gn-ws A	1	1	gn-ws A
	7	gn A/	2	2	gn A/
	4	bn-ws B	4	4	bn-ws B
	5	bn B/	3	3	bn B/
	1	bl-ws R	5	8	bl-ws REF
2	bl R/	6	7	bl REF/	
95LE21	Schirmung	E: Schirmung		Schirmung	

	Signal/ Index	BR-X6-HTL-SL	CT-SK3-HTL
	---	---	---
	or-ws 0V	9	1
	gn-ws A: 24V	1	3
	gn A/: 24V	2	4
	bn-ws B: 24V	3	5
	bn B/: 24V	4	6
ID-No.:	91BR01	92CO72	

DNDA 9/8/ RJ45 ► Pin 1/ F

DNDA 9/8/ RJ45 ► Pin 1/ F

	Signal/ Index	Jet Move X61 Hifa	140R	Jet MoveX61 R	LTI
	or UB	5: 12V		---	
	or-ws 0V	4	5	---	
	gn-ws A	7	7	7	
	gn A/	2	3	2	
	bn-ws B	8	8	8	
	bn B/	3	4	3	
	bl-ws REF		9	1	
	bl REF/		5	6	
ID-No.:	93JM21	91SL21	91JM21		

DNDA 9/8/ RJ45 ► Pin 9/ M

	Signal/ Index	AMK	JG8V	JBG-RES	FerroCon-1	S120
	or UB	7	4 (10V)	---	---	---
	or-ws 0V	8	5	---	---	9
	gn-ws A	4	3	3	4	1
	gn A/	3	2	8	5	6
	bn-ws B	6	1	4	3	3
	bn B/	5	9	9	2	8
	ID-No.:	91AM91	91LE21	91JB21	91FC21	91KK21

DNDA 12/8 611D

DNDA 17/8 POSMO

	12/8 T-stück 2,5m Lumberg	Signal/ Index	M23-T	POSMO
	17/8 T-Stück 3,0 m Phoenix	or UB		16
		or-ws 0V	10	15
		gn-ws A	5	1
		gn A/	6	2
		bn-ws B	8	11
		bn B/	1	12
	ID-No.:	99SI29	99SI30	

Stecker Pins sind mit den Buchsen-Pins eins zu eins verbunden.

Male pin are with female pin one to one connected.

DNDA 15/8/ RJ45 ► Pin 15/ F

DNDA 15/8/ RJ45 ► Pin 15/ F

	Signal/ Index	AMK-RES	SITRA	AC120/124	AMK	MHD/G	ALBR	Stoerber X4	FGB-1	BM-5V
	or UB		4	4	7	12 (10V)	9	4	2	2
	or-ws 0V	8	5	2	8	4	12	2	3	1
	gn-ws A	10	7	1	4	2	1	6	1	8
	gn A/	9	13	9	3	9		11	9	7
	bn-ws B	12	15	3	6	3	3	1	12	5
	bn B/	11	6	11	5	10		9	5	9
ID-No.:	92AM22	91ST22	93AT22	91AM22	91IN22	91AB22	92ST22	91FG22	94BM22	

Signal/ Index	611D-B	MCB-3	Kit R	INFOT	MC S-7/E-8	B+R PNM	B+R AC120 PNM	B+R AC121 PNM	MOVIAXIS	NTI X13
or UB	1	15	8	12	9					1
or-ws 0V	2	10	9	10	1	2	2	2		5
gn-ws A	3	3	14	1	5	11	1	1	2	9
gn A/	4	9	6	9	13	3	9	9	10	2
bn-ws B	6	6	13	3	6	9	3	3	1	10
bn B/	7	11	5	11	14	1	11	11	9	3
ID-No.:	91EL22	93MC22	92K122	92PI22	94MC22	95BR22	93BR22 ⁽¹⁾	94BR22 ⁽¹⁾⁽²⁾	91MO22	91NT22

Signal/ Index	AC121	SEW X15	Indra DYN	BMVR1	DARC	SMC30	AC121B	DEF 01.1M
or UB	4 (10V)	15 (10V)	11 (10V)	2 (10V)	12 (10V)	4 (10V)	4 (10V)	12
or-ws 0V	2	7/8	4	1	6	7	2	10
gn-ws A	1	2	2	8	5	15	1	5
gn A/	9	10	3	7	3	14	9	6
bn-ws B	3	1	5	5	8	13	3	8
bn B/	11	9	6	9	4	12	11	1
ID-No.:	94AT22	91RE01	99IN22	91BN22	91DA22	91SM22	95AT22 ⁽²⁾	92IN22

(1) handelsübliches Patchkabel

(2) Pin 8 und 10 entfernt

Signal/ Index	BM4 R	MCR-6	MDLA R
or UB			
or-ws 0V			
gn-ws A	7	3	5
gn A/	8	11	12
bn-ws B	9	2	6
bn B/	5	10	13
bl-ws R		4	14
bl R/		12	7
ID-No.:	93BM22	92MC22	93MD22

DNDA 15/8 HTL

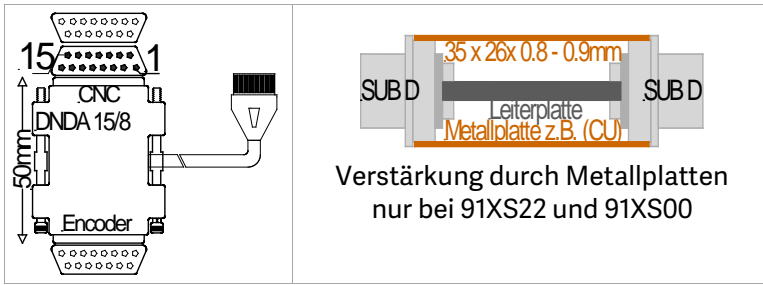
DNDA 15/8/ TWIN

	Signal/ Index	MDS5-HTL-SL		Signal/ Index	SEW TWIN X13R
	or UB: 24VDC	---		gn-ws A	1
	or-ws 0V	2		gn A/	9
	gn-ws A: 24V	6		bn-ws B	2
	gn A/: 24V	11		bn B/	10
	bn-ws B: 24V	1		bl-ws REF	5
	bn B/: 24V	9		bl REF/	13
ID-No.:	92MD22	ID-No.:	91TS22		

	Signal/ Index	SUBD 1-8	RJ 1-8/ System1	SUBD 12-15	RJ 12-15/ System2
	bl 0V	1	4		
	bl-ws U+	2	5		
	or-ws C+	3	1		
	or C-	4	2		
	gn-ws D+	5	3	12	1
	gn D-	6	6	13	2
	bn-ws S	7	7	14	7
bn VM	8	8	15	8	
ID-No.:		91MV22			

DNDA 15/8/ RJ45 ► Pin 1/ F

DNDA 15/8/ RJ45 ► Pin 1/ F



Signal/ Index	MHD/GE	AC120E	AC121E	TS2620/40	Indra dyn2	ANCA 5DX	ANCA AMD5000	X4S	S300	PDMS-A 15/8 STEC S2E
or UB	12 (10V)	4	4 (10V)		---			4	4	10
or-ws OV	4	2	2	7	4	15	15	2	2	3
gn-ws A	2	1	1	3	2	14	14	11	11	14
gn A/	9	9	9	4	3	7	7	3	3	7
bn-ws B	3	3	3	1	5	10	10	9	9	15
bn B/	10	11	11	2	6	2	2	1	1	8
ID-No.:	92JN22	93BE22	94BE22	93ST22	99PS22	91AN22	91AN23	91XS22	91DH22	91SE22

AC121E: 8+10 Stift entfernt male pin removed	X4S: 1, 3, 6, 7, 9, 10, 11, 14 Stift entfernt male pin removed	AC123E: mit Gleitverriegelung with slide locks	ANCA 5Dx: mit Schrauben with screws
---	---	---	--

DNDA 15/8/ RJ45 ► Pin 15/ M

DNDA 15/8/ RJ45 ► Pin 15/ M

	Signal/ Index	Siem ADI4	DAE1.1	E-PMC2	Num MdlA100	DSV-X3	B03315	KEB	MC S-7/E-8
	or UB	4	12	14 (10V)	---	3	7	12	9
	or-ws 0V	7	10	5	---	4	15	10	1
	gn-ws A	15	5	2	12	1	1	5	5
	gn A/	14	6	1	5	2	2	6	13
	bn-ws B	13	8	4	13	5	4	8	6
	bn B/	12	1	3	6	6	5	1	14
ID-No.:	91SA22	94IN22	93SO22	94NU21	92PA23	94SS22	91KB22	94MC22	

Signal/ Index	SIMO 611D	FM-NC	SIN 800	WF723C	DLF01.1M-A	D150	DZF 03.1M	EP20
or UB	1	4	14	4	12	4	12	
or-ws 0V	2	9	11	7	10	5	10	15
gn-ws A	3	15	1	15	7	8	7	2
gn A/	4	14	9	14	8	7	15	1
bn-ws B	6	13	10	13	6	13	13	3
bn B/	7	12	3	12	5	14	14	4
ID-No.:	91SI22	98SI22	96SI22	98SO22	96IN22	91SO22	93IN22	92EP22

DNDA 15/8 HTL SL

	Signal/ Index	611D-HTL-SL	BRATZ-HTL	SMC30-HTL
	or UB		12	4
	or-ws 0V	2	10	7
	gn-ws A	3	5	15
	gn A/	4	6	14
	bn-ws B	6	8	13
	bn B/	7	1	12
ID-No.:	92SK20	91BZ02	92SC22	

DNDA 15/8/ TWIN

	Signal/ Index	S300 TWIN R	S300 TWIN L
	or UB	4	4
	or-ws 0V	2	2
	gn-ws A	11	9
	gn A/	3	1
	bn-ws B	9	11
	bn B/	1	3
ID-No.:	91TR22	91TL22	

DNDA 15/8/ RJ45 ► Pin 1/ M

	Signal/ Index	SIMO E 611D	E CM	MC6	AX5-R
	or UB	1	1		
	or-ws 0V	2	2	12	2
	gn-ws A	3	3	4	11
	gn A/	4	4	11	4
	bn-ws B	6	6	3	10
	bn B/	7	7	10	3
bl-ws REF				12	
bl REF/				5	
ID-No.:	92SI22	95CM12	91MC12	92AX42	

DNDA 15/8 HTL-SL

	Signal/ Index	AC123 DS-HTL
	or UB	13
	or-ws 0V	12
	gn-ws A	1
	gn A/	2
	bn-ws B	3
	bn B/	4
ID-No.:	97BE22	

DNDA 15/15/ SUBD ▶ Pin 1/ M

DNDA 15/15/ SUBD ▶ Pin 1/ M

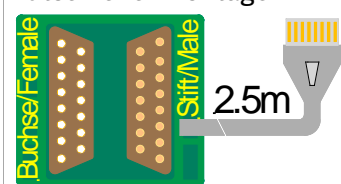
	Signal/Index	AC120	X-OUT	GM	X-OUT	SIMO 611D	X-OUT
	or UB	4	1	13	1	1	1
	or-ws 0V	2	2	11	2	2	2
	gn-ws A	1	3	9	3	3	3
	gn A/	9	4	14	4	4	4
	bn-ws B	3	6	1	6	6	6
	bn B/	11	7	4	7	7	7
	ID-No.:	91BE26		96GM26		91SI26	

DNDA 15

	2	4	8	9
	3	3	9	2
	4	8	10	1
	5	6	11	15
	6	5	12	--
	7	10	13	12
			14	11
			15	--
	99SO01			

DNDA 15/8

Hutschienenmontage

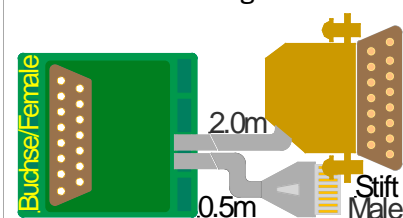


DIN rail mounting

Signal/ Index	H DMC
or UB	13
or-ws 0V	11
gn-ws A	9
gn A/	14
bn-ws B	1
bn B/	4
ID-No.:	95SI22

DNDA 15/8/15

Hutschienenmontage



DIN rail mounting

Signal/ Index	AC120/124
or UB	4
or-ws 0V	2
gn-ws A	1
gn A/	9
bn-ws B	3
bn B/	11
ID-No.:	99BE22

DNDA 15/8 HD/ RJ45 ► Pin 15/ F

Signal	Compax X13R
or UB	
or-ws 0V	
gn-ws A	8
gn A/	7
bn-ws B	12
bn B/	11
bl-ws R+	4
bl R-	15
ID-No.:	93CO22

Signal/ Index	ZEISS	KEB-S4/ F4	Unidr-SP	KEB-X3A	KIN	S4000-TTL	JAT-1	Fagor AXD	ZEISS 2	Unidr-SP	XENJ8	HIWIN X10
or UB	4	12	---	12	14	5	---	9	5	---		5
or-ws 0V	9	13	14	13	6	10	6	11	9	14	15	15
gn-ws A	7	8	1	8	1	7	2	1	7	1	14	1
gn A/	2	3	2	3	2	1	7	2	2	2	13	6
bn-ws B	6	9	3	9	3	4	3	3	6	3	12	2
bn B/	1	4	4	4	4	9	8	4	1	4	11	7
ID-No.:	91ZE22	92PA24	92PA26	92PA15	91KI22	91SA32	91JA22	92FR22	92ZE22	92PA26	91XE22	92HI22

Kabel handelsüblich	TRIA PNM

or 0V	6
bl A+	2
bl-ws A-	7
bn-ws B+	3
bn B-	8
ID-No.:	91TA22

DNDA 15/8 HD HTL SL

Signal/ Index	WMH1
or UB	
or-ws 0V	7
gn-ws A	3
gn A/	8
bn-ws B	4
bn B/	9
ID-No.:	91WH22

DNDA 15/8 HD TWIN

Signal/ Index	TWIN LTI X7L	TWIN LTI X7R
or UB	3	3
or-ws 0V	8	8
gn-ws A	2	11
gn A/	1	6
bn-ws B	11	2
bn B/	6	1
ID-No.:	91TL15	91TR15

DNDA 15/3+2 HD/ DIN/ T

Signal	SUB D 15	DIN Stecker	Temp-Kabel
Z+	4	5	
Temp+	5		Temp+
GND	6	3	
Z-	9	6	
Temp-	10		Temp-
ID-No.:		99TA22	

DNDA 15/ T/ HD/ T ▶ Pin 1 Seite

DNDA 15/ T/ HD/ T ▶ Pin 1 Seite

	Signal/ Index	LT1	LT12
	or UB	---	
	or-ws 0V	---	
	gn-ws A	---	
	gn A/	---	
	bn-ws B	---	
	bn B/	---	
	T1	14	9
	T2	15	10
	ID-No.:	91LI22	91LI23

DNDA 25/ 8/ RJ45 ▶ Pin 25/ F

	Signal/ Index	Aero	SM-SD2	SM-SD2 S/C	PA SDI
	or UB	3	5 (10V)	9	---
	or-ws 0V	21	14	14	---
	gn-ws A	17	21	21	4
	gn A/	18	8	8	17
	bn-ws B	14	19	19	16
	bn B/	15	6	6	3
	bl-ws REF+				5
	bl REF-				18
	ID-No.:	91AE24	91SM25	94SM25	94PA25

DNDA 25/ 8/ RJ45 Pin ▶ 25/ M

	Signal/ Index	Simovert-Res	SM140	SM140-5	SIMO 611D	ATLAS COPCO	NUM1050	LC481
	or UB	---	24 (12V)	24 (5V)	1	18	9 (10V)	
	or-ws 0V	---	14	14	2	3	21	
	gn-ws A	3	10	10	3	20	13	20
	gn A/	4	9	9	4	7	25	7
	bn-ws B	6	8	8	6	19	12	19
	bn B/	7	7	7	7	6	24	6
	bl-ws R+	9						
bl R-	11							
ID-No.:	91SV25	92SM25	93SM25	91SI25	91AT25	91NU25	22AT25	

DNDA 25/8 K

	Signal/ Index	K SIMO 611D
	or UB	1
	or-ws 0V	2
	gn-ws A	3
	gn A/	4
	bn-ws B	6
	bn B/	7
ID-No.:	91SK25	

DNDA 25/8 T

	Signal/ Index	SIMO611D		Signal	Temp 611D
	or UB	1		Signal 13, 15	Temp 611D entfernt
	or-ws 0V	2		15	
	gn-ws A	3			
	gn A/	4			
	bn-ws B	6			
	bn B/	7			
	(SW)	13		SW	13
(GR)	25	GR	25		
ID-No.:	95SI25		ID-No.:	93SI25	

DNDA 25/ 2/ T

DNDA 25/8 TWIN

	Signal/ Index	611D	25/2-8 611D	EP20	
	or UB	1	1	RJ45-1	RJ45-2
	or-ws 0V	2	2	13	13
	gn-ws A	3	3	15	21
	gn A/	4	4	14	20
	bn-ws B	6	6	16	22
	bn B/	7	7	17	23
	ID-No.:	97SJ25	91SI92	93EP25	

DNDA 25/3 DIN-R HTL/ DIN ▶ Pin 25/ M

	Signal	SUBD25	DIN8	Signal	SUBD25	DIN8
	UB: 5V	1				
	0V	2	3	GND	2	3
	R: 1Vss	17	5	REF Z	7	6
	R/: 1Vss	18	6	Z	14	5
	ID-No.:	91DN95			92DN39	

DNDA 25/RJ/ TBS		DNDA 25/RJ/ REF	
	Signal	SIMO 611D TBS	
	or UB 24VDC	20	
	or-ws 0V	21	
	gn ES+	22	
	gn-ws ES-	17	
	bn MI8+	13	
	bn-ws MI8-	25	
	bl ENTKL	19	
	ID-No.:	96SJ57	
	Signal/ Index	REF 611D	
	or UB	1	
	or-ws 0V	2	
	gn-ws A	3	
	gn A/	4	
	bn-ws B	6	
	bn B/	7	
	bl-ws REF+	17	
	bl REF-	18	
	ID-No.:	98SI80	

DNDA 25/8/ RJ45 ▶ Pin 1/ M

	Signal/ Index	E SIMO611D	E SM-SD2
	or UB	1	5 (10V)
	or-ws 0V	2	14
	gn-ws A	3	21
	gn A/	4	8
	bn-ws B	6	19
	bn B/	7	6
	ID-No.:	92SI25	95SM25

DNDA 25/8 T

	Signal/ Index	ET SIMO611D	ETV2 SIMO 611D
	or UB	1	1
	or-ws 0V	2	2
	gn-ws A	3	3
	gn A/	4	4
	bn-ws B	6	6
	bn B/	7	7
	SW	13	13
GR	25	25	
ID-No.:	96SI25	98SI25	

DNDA 26/8/HD/RJ45 ▶ Pin 26/ F

	Signal/ Index	EL-5V-1	EL-8V-1	NUM MDLU3	NUM MDLU	Reni SR	BM5000	BM5000R	Reni Shaw
	or UB	24	--	--			2		
	or-ws 0V	25	25	5	5	9	1		9
	gn-ws A	1	1	11	17	1	6	21	24
	gn A/	10	10	2	8	19	7	22	6
	bn-ws B	2	2	10	18	2	4	25	7
	bn B/	11	11	1	9	11	5	26	16
	bl-ws REF+							10	
	bl REF-							1	
	ID-No.:	91EL58	91EL38	91MD28	91MD29	93ZE100	91BM25	91BM26	93ZE25

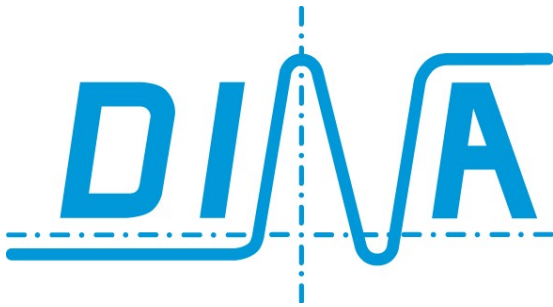
Kabel/ Cable

Kabel/ Cable

DNRJ 45 	DNRJ	45	45R	HTL SL	HTL2	SSI
	or	5V			24V DC	CLK-
DNRJ 45 HTL2 DNRJ 45 HTL-SL	or-ws	0V		0V	0V	CLK+
	gn-ws	A	A	24V A	24V A	DATA+
	gn	A/	A/	24V A/	24V A/	DATA-
	bn-ws	B	B	24V B	24V B	SET/QUIT
	bn	B/	B/	24V B/	24V B/	Sensor
	bl-ws		R			24VDC
	bl		R/			GND
	ID-No.:	97RJ20	98RJ20	95RJ20	91RJ20	97RJ21

RJ45-SUBD9 	Signal	RS232	SUBD 9	Thimm	RJ	SUBD 9
	0V			or-ws	1	5
	0V	or-ws	5	or	2	5
	TX	bl	2	gn	6	3
	RX	bl-ws	3	bn	8	2
	ID-No.:		91RS21	Andere Adern isoliert		

USB-SUBD 9 	USB Adapterkabel mit Treiber/ 1,8m	USB adapter cable with booster/ 1,8m	99SO05
USB-USB MIN 	USB Programmierkabel/ 2,0m	USB programming cable	99SO11
COM-COM 	SUB D 9Pol, COM Verlängerungskabel /1:1	SUB D 9pin, COM extension cable/ 1:1	99SO12
SUBD 15/ HD-SUD 15/ HD 	SUB HD 15Pol, Verlängerungskabel /1:1	SUB HD 15pin, extension cable/ 1:1	98VL22



Wir sind Sicherheit.
We are safety.

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