		Communica	ati	ion Devices
			7/2	Bus coupling units
			7/3	Interfaces
			7/4	Power supply units, chokes, line/backbone couplers
			7/5	Connectors
				For further technical information

For further technical information please refer to the GAMMA building management systems manual or visit our Web site at:

http://www.siemens.de/gamma

Bus coupling units

			Order No.	Price	PG	Weight 1 item	PS*/ P. uni
				1 item		kg	Items
stallation in the	flush-mounting box						
100	UP 110						
	following bus term pushbuttons, room etc.	evice for installing in mounting boxes. Enables the inals to be connected to the bus line: a temperature controllers, display units, interfaces,					
2)	Modular width (mr	n): /1					
	with screw fixing: mounting depth (r	nm): 27	5WG1 110-2AB03		030	0.060	1
A COLON	with screw and cla	aw fixing:					
	mounting depth (r 5WG1 294-8AB01	fixing clips must be					
	order separately.		5WG1 110-2AB11		030	0.066	1
	Fixing clip						
		neft screws of bus terminals such as pushbuttons, controllers etc. to be used on the UP 110 bus a claw fixing.					
		equired per bus coupling unit.	5WG1 294-8AB01		030	0.008	2
210	UP 114						
	(Basis is the BCU	n): 71, with screw fixing:	5WG1 114-2AB02		030	0.060	1
3/1		,	5WG1 114-2AB02		030	0.063	1
	DELTA UP 116 bu		3WG1 114 20B02		000	0.000	
	Depending on the	model (single or double) it is possible to use single rom the DELTA product ranges in various versions.					
		re two LEDs that can be used either for orientation is indication. The LEDs are supplied from the bus					
	at the top and bot with pushbutton p	h intermediate position, the rockers can be actuated om (two switching points per rocker); on the version osition, the rockers can be actuated at the bottom g point per rocker).					
	Modular width (mr mounting depth (r						
0-0	Rockers from the DELTA UP 116 bu	DELTA product ranges can be plugged on the scoupling unit.					
	intermediate position,	single double	5WG1 116-2AB01 5WG1 116-2AB11		030 030	0.080 0.080	1 1
	pushbutton position,	single double	5WG1 116-2AB21 5WG1 116-2AB31		030	0.080	1
ccessories	p comon,				000	- 5.555	<u> </u>
	UP 196 paint shie	eld					
~	Suitable for all flus DELTA bus coupli	h-mounting bus coupling units, flush-mounting ng units without user interface, and all flush-mounting					
	actuators with use	r intertace					



Interfaces

Dimensions	Selection and ordering	g data						
H. W. W. D			Color	Order No.	Price	PG	Weight	PS*/
N 148/15 232 The interface supports connection of a PC for addressing, parameter-parameter supports (appropriate supports connection of a PC for addressing, parameter-parameter supports (appropriate supports connection of a personal computer of another device for addressing parameter-parameter supports (appropriate supports connection of a personal computer of another device for addressing parameter-parameter supports (appropriate supports connection of a personal computer of another device for addressing parameter-parameter supports (appropriate supports connection of a personal computer of another device for addressing parameter-parameter supports (appropriate supports connection of a personal computer of another device for addressing parameter-parameter (appropriate supports connection of a PC to the KNX EB over the integrated to the support of the suppore		$H \times W \times D$					1 item	P. unit
N 148, RS 232 The interface supports connection of a PC for addressing, parameter-relation, visualization, logging and diagnostics of the bus devices. Transfer rate 9000 baud. Width: 3 MW (f MW = 16 mm)					1 item		kg	Items
The interface supports connection of a PC for addressing, parameterization, visualization, loging and diagnostics of the bus devices. Transfer rate. 9600 baud. Width: 3 Wif (1 MW + 18 mm) N 14804 RS 232 with selectable protocol The M 4804 RS 242 with selectable protocol The M 4804 RS 232 with selectable protocol The M 480	Modular installation	devices						
Transfer rate 9000 baud. Width: 3 MW (1 MW + 18 mm)		·						
Transfer rate 9800 baud.								
N 148/04, RS 232 with selectable protocol The N148/04 RS 232 interface supports connection of a personal computer or another device for addressing, parameterization, visualization, bornel of an according to the standard or the F1.2 protocol. Transfer rate 9000 baud (19200 baud with F1.2) and F1.2 protocol. Transfer rate 9000 baud (19200 baud with F1.2) and F1.2 protocol. Transfer rate 9000 baud (19200 baud with F1.2) and F1.2 protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud (19200 baud with F1.2) protocol. Transfer rate 9000 baud. Installation in the flushmouthing box The UTS flushmo	100	Transfer rate: 9600 baud.						
The N148/04 RS 232 interface supports connection of a personal computer or another device for addressing, parameterization, visualization, patter and supports connection of a PC to the KNX Eiß over the Visualization, visualization, supports and visualization, protecting and diagnosis of the bus devices. The Irining process may be carried out according to the standard or the FT12 profocol. Transfer rate: USB 1.1 speed. N149/11, USB © The USB interface anables connection of a PC to the KNX Eiß over the Visualization, protocolling and diagnostics of the bus device. Transfer rate: USB 1.1 speed. Width: 1MW (1 MW = 18 mm) Installation in the flush-mounting box The UP 110 and UP 114 bus coupling unit and the corresponding father must be ordered separately. RS 232 The interfaces support connection of a PC for addressing, parameter-ballon, visualization, single-graded diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, single-graded diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, singling and diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, singling and diagnostics of the bus devices. Date interfaces and the profit of the support of the SWG 1146-2ABD1 000 0.088 1 and threads SWG 1146-2ABD1 000 0.088 1 DELTA antifer the PC 12 because of the SWG 1146-2ABD1 000 0.088 1 DELTA antiferace enables connection of a PC to the KNX. Eiß over the integrated USB society (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT12 protocol. Transfer rate: 9600 baud (19200 baud with FT1. 2) DELTA profit UP 146E BELTA style UP 146E SWG 1146-2EBD1 000 0.088 1 DELTA style UP 146E SWG 1146-2EBD1 000 0.088 1		Width: 3 MW (1 MW = 18 mm)	- Q	5WG1 148-1AB02	2	030	0.172	1
The N148/04 RS 232 interface supports connection of a personal computer or another device for addressing, parameterization, visualization, patter and supports connection of a PC to the KNX Eiß over the Visualization, visualization, supports and visualization, protecting and diagnosis of the bus devices. The Irining process may be carried out according to the standard or the FT12 profocol. Transfer rate: USB 1.1 speed. N149/11, USB © The USB interface anables connection of a PC to the KNX Eiß over the Visualization, protocolling and diagnostics of the bus device. Transfer rate: USB 1.1 speed. Width: 1MW (1 MW = 18 mm) Installation in the flush-mounting box The UP 110 and UP 114 bus coupling unit and the corresponding father must be ordered separately. RS 232 The interfaces support connection of a PC for addressing, parameter-ballon, visualization, single-graded diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, single-graded diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, singling and diagnostics of the bus devices. Date interfaces support connection of a PC for addressing, parameter-ballon, visualization, singling and diagnostics of the bus devices. Date interfaces and the profit of the support of the SWG 1146-2ABD1 000 0.088 1 and threads SWG 1146-2ABD1 000 0.088 1 DELTA antifer the PC 12 because of the SWG 1146-2ABD1 000 0.088 1 DELTA antiferace enables connection of a PC to the KNX. Eiß over the integrated USB society (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT12 protocol. Transfer rate: 9600 baud (19200 baud with FT1. 2) DELTA profit UP 146E BELTA style UP 146E SWG 1146-2EBD1 000 0.088 1 DELTA style UP 146E SWG 1146-2EBD1 000 0.088 1	(0)	- <u></u>						
puter or another device for addressing, parameterization, visualization, logging and diagnosis of the bus devices. The Inking process may be carried out according to the standard or the FT12 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) N 146/11, USB © N 146/11, USB © The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, wisualization, logging and diagnosis of the bus devices. Transfer rate: USB 1.1 speed Width: 1 MW (1 MW = 18 mm) The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately. RS 232 The interfaces support connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices. Data transfer rate: 9600 baud. DELTA profil UP 146 65 × 65 × 42 Islamium white SWG1 146-2AB21 030 0.088 1 DELTA style UP 146 65 × 65 × 42 Islamium white SWG1 146-2AB11 030 0.088 1 DELTA ambiente UP 142 65 × 65 × 42 Islamium white SWG1 146-2AB11 030 0.088 1 USB interface CST and CST or the KNX EIB over the integrated USB socket (type B) for the addressing, parameter/socket (type B) for the addressing parameter/socket (type B) for the socket (type B) for the socket (type B) for the addressing parameter/socket (type B) for the addressing parameter (type B) for the addressing pa	<u> </u>	·						
cairied out according to the standard or the FF1.2 profocol. Transfer rate: 9600 baud with FF1.2) Width: 3 MW (1 MW = 18 mm)		puter or another device for addressing	, parameterization, visualization,					
Transfer rate 9800 baud (19200 baud with FT1.2)	Pic.							
N 148/11, USB	35							
The USB interface enables connection of a PC to the KNX EIR over the integrated USB socket (type B) for the addressing, parameterization, visualization, protocolling and diagnostics of the bus device. Trensfer rate: USB 1.1 speed Width: 1 MW (1 MW = 18 mm)		Width: 3 MW (1 MW = 18 mm)	- @	5WG1 148-1AB04	1	030	0,178	1
integrated USB socket (type B) for the addressing, parameterization, visualization, protocolling and diagnostics of the bus device. Transfer rate: USB 1.1 speed Width: 1MW (1 MW = 18 mm)		N 148/11, USB 😥						
Moth: 1 MW (1 MW = 18 mm)	1							
Moth: 1 MW (1 MW = 18 mm)								
The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately. RS 232 The interfaces support connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices. Data transfer rate: 9600 baud. DELTA profil UP 146 65 × 65 × 42 DELTA style UP 146 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 65 × 42 DELTA ambiente UP 142 DELTA ambiente UP 143 DELTA ambiente UP 144 DELTA ambiente UP 145 DELTA ambiente UP 145 DELTA ambiente UP 146 DELTA ambiente UP 147 DELTA ambiente UP 148 DELTA ambiente UP 149 DELTA amb	Q	,1 0 0						
The UP 110 and UP 114 bus coupling unit and the corresponding frame must be ordered separately: RS 232 The interfaces support connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices: Data transfer rate: 9600 baud. DELTA profil UP 146 65 × 65 × 42	期	Width: 1 MW (1 MW = 18 mm)	- (4)	5WG1 148-1AB11	l	030		1
RS 232 The interfaces support connection of a PC for addressing, parameter-tization, visualization, logging and diagnostics of the bus devices. Data transfer rate: 9600 baud.	Installation in the flus	sh-mounting box						
RS 232 The interfaces support connection of a PC for addressing, parameterization, visualization, logging and diagnostics of the bus devices. Data transfer rate: 9500 baud.			unit and the corresponding					
Data transfer rate: 9600 baud. DELTA profil UP 146 65 × 65 × 42 DELTA style UP 146 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 142 65 × 65 × 42 DELTA ambiente UP 145 DELTA ambiente UP 146 DELTA ambiente UP 146 DELTA ambiente UP 148 DELTA ambiente UP 1								
Data transfer rate: 9800 baud. DELTA profil UP 146 65 x 65 x 42 pearl gray titanium white 5WG1 146-2AB01 030 0.088 1 anthracite 5WG1 146-2AB11 030 0.088 1 DELTA style UP 148 65 x 65 x 42 titanium white 5WG1 146-2AB11 030 0.088 1 DELTA ambiente UP 142 65 x 65 x 42 titanium white 5WG1 146-2AB11 030 0.088 1 DELTA ambiente UP 142 65 x 65 x 42 arctic white cosmos gray royal blue 5WG1 142-2AB01 030 0.088 1 USB interface 1								
DELTA profil UP 146			nostics of the bus devices.					
titanium white anthracite SWG1 146-2AB11 030 0.088 1								
Silver SWG1 146-2AB21 O30 O.088 1		$65 \times 65 \times 42$						- 1
DELTA style UP 146	Company CO							
DELTA style UP 146 65 x 65 x 42 titanium white 5WG1 146-2AB11 030 0.088 1 DELTA ambiente UP 142 65 x 65 x 42 arctic white cosmos gray royal blue 5WG1 142-2AB01 030 0.088 1 USB interface on ables connection of a PC to the KNX E/B over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E titanium white the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white than the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white than the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB01 030 0.088 1	1		antinacite	3W01 140-2AB2	•	000	0.000	'
DELTA style UP 146 65 x 65 x 42 titanium white 5WG1 146-2AB11 030 0.088 1 DELTA ambiente UP 142 65 x 65 x 42 arctic white cosmos gray royal blue 5WG1 142-2AB01 030 0.088 1 USB interface on ables connection of a PC to the KNX E/B over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E titanium white the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white than the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white than the swight of the standard or the FWG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB01 030 0.088 1								
DELTA ambiente UP 142 65 × 65 × 42 arctic white cosmos gray royal blue DELTA ambiente UP 142 65 × 65 × 42 arctic white cosmos gray royal blue DELTA style UP 146E titanium white SWG1 142-2AB01 030 0.088 1			silver	5WG1 146-2AB71	ı	030	0.088	1
DELTA ambiente UP 142 65 × 65 × 42 arctic white cosmos gray royal blue USB interface The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titranium white swift 146-2EB01 on 0.088 1 on 0.0	Justice EB	DELTA style UP 146						
arctic white cosmos gray royal blue USB interface The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white swG1 142-2AB01 030 0.088 1 5WG1 142-2AB11 030 0.088 1 5WG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1		$65 \times 65 \times 42$	titanium white	5WG1 146-2AB11	I	030	0.088	1
arctic white cosmos gray royal blue USB interface The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white swG1 142-2AB01 030 0.088 1 5WG1 142-2AB11 030 0.088 1 5WG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1								
arctic white cosmos gray royal blue USB interface The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white swG1 142-2AB01 030 0.088 1 5WG1 142-2AB11 030 0.088 1 5WG1 146-2EB01 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1 DELTA style UP 146E titanium white SWG1 146-2EB11 030 0.088 1		DELTA ambiente UP 142						
USB interface The USB interface enables connection of a PC to the KNX EIB over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E DELTA profil UP 146E DELTA style UP 146E			arctic white	5WG1 142-2AB01	ı	030	0.088	1
The USB interface enables connection of a PC to the KNX <i>EIB</i> over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white anthracite 5WG1 146-2EB01 030 0.088 1 silver 5WG1 146-2EB21 030 0.088 1 5WG1 146-2EB71 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB11 030 0.088 1								
The USB interface enables connection of a PC to the KNX <i>EIB</i> over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white 5WG1 146-2EB01 030 0.088 1 anthracite 5WG1 146-2EB21 030 0.088 1 silver 5WG1 146-2EB71 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB11 030 0.088 1			royal blao	011011422/102		000	0.000	•
The USB interface enables connection of a PC to the KNX <i>EIB</i> over the integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white 5WG1 146-2EB01 030 0.088 1 anthracite 5WG1 146-2EB21 030 0.088 1 silver 5WG1 146-2EB71 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB11 030 0.088 1								
integrated USB socket (type B) for the addressing, parameterization, visualization, logging and diagnostics of the bus device. The linking process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white 5WG1 146-2EB01 030 0.088 1 anthracite 5WG1 146-2EB21 030 0.088 1 silver 5WG1 146-2EB71 030 0.088 1 DELTA style UP 146E titanium white 5WG1 146-2EB11 030 0.088 1			of a DC to the KNV EIR over the					
process may be carried out according to the standard or the FT1.2 protocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white anthracite silver silver DELTA style UP 146E DELTA style UP 146E pearl gray titanium white swG1 146-2EB01 5WG1 146-2EB11 030 0.088 1 030 0.088 1 030 0.088 1 030 0.088 1		integrated USB socket (type B) for the	addressing, parameterization,					
tiocol. Transfer rate: 9600 baud (19200 baud with FT1.2) DELTA profil UP 146E pearl gray titanium white 5WG1 146-2EB01 030 0.088 1 anthracite silver 5WG1 146-2EB21 030 0.088 1 bell by the silver 5WG1 146-2EB71 030 0.088 1 bell by the silver 5WG1 146-2EB11 030 0.088 1 bell by the silver 5WG1 146-								
DELTA profil UP 146E		tocol.	·					
titanium white anthracite silver 5WG1 146-2EB11 030 0.088 1 030 0.		,	,	5WG1 146-2FR01		030	0.088	1
DELTA style UP 146E silver titanium white 5WG1 146-2EB71 030 0.088 1 030 0.088 1	GAMMA instabus	DELIK PIONI CI. 1402						
DELTA style UP 146E titanium white 5WG1 146-2EB11 030 0.088 1	*Attenda*							
GAMMA pictology		DELTA style UP 146E						
DELTA ambiente IIP 142E arctic white 5WG1 142-2EB01 030 0.088 1	GAMMA immerbur	- · · · · · · · · · · · · · · · · · · ·						
DELTA ambiente IIP 142E arctic white 5WG1 142-2EB01 030 0.088 1								
DELTA ambiente IIP 1/2F arctic white 5WG1 1/2-2FR01 030 0.088 1	- TIMETO							
cosmos gray 5WG1142-2EB11 030 0.088 1		DELTA ambiente UP 142E	arctic white	5WG1 142-2EB01		030	0.088	1
royal blue 5WG1 142-2EB21 030 0.088 1	GAMMA interbut							
AND THE PROPERTY OF THE PROPER	ATLEMEN.							

^{*} You can order this quantity or a multiple thereof.

Power supply units, chokes, line/backbone couplers

Selection and ordering data

Selection and orderi	ng data							
			MW	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
			(1 MW = 18 mm)		1 item		kg	Items
Modular installation	devices							
and the second	system power supply r	y, 160 mA with integrated choke provides a equired for the <i>instabus</i> KNX <i>EIE</i> iit is required for each bus cable	3. At least one					
08	Rated values: Input voltage: Output voltage: Output current:	120 230 V AC, 50/60 Hz 29 V DC 160 mA	4	5WG1 125-1AB01		030	0.240	1
4	N 125/11 power suppl	y, 320 mA						
	system power supply r	with integrated choke provides a equired for the <u>instabus</u> KNX <i>EIE</i> iit is required for each bus cable	3. At least one					
aB	Rated values: Input voltage: Output voltage: Output current:	120 230 V AC, 50/60 Hz 29 V DC 320 mA	4	5WG1 125-1AB11		030	0.230	1
1.000	N 125/21 power suppl	v. 640 mA						
And the second s	system power supply r power supply unit is re	with integrated choke provides a equired for the <i>instabus</i> KNX <i>EIE</i> quired for each bus cable. If an atte N 120 choke, the output voltaing. 120 230 V AC, 50/60 Hz 29 V DC 640 mA	R. One N 125 additional line is	5WG1 125-1AB21		030	0.240	1
	N 123 power supply (•	***************************************		000	0.2.10	
© C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	The power supply unit required for the <i>instabu</i> required for each bus owith the N 120 choke.	provides and monitors the syster is EIB. At least one N 123 power lable. These units can only be us The choke and power supply unit rail and thus mounted on the sar	supply unit is ed in conjunction t must be linked me mounting rail	5WG1 123-1CB01		030	0.775	1
	N 120 choke, 500 mA							·
Table 63	The choke prevents the	e N 123 and N 125/21 power sup a telegrams on the bus line.		5WG1 120-1AB01		030	0.105	1
	N 140 line/backbone	counters						
Edward Co.	between two separate cally. It can be used as a line amplifier), both in exist N 140/02 or N 140/01 II Line couplers, backbon same hardware and the neously with the assign	couplers about the coupler provides a data of the coupler, a backbone coupler or ing KNX EIB networks (e.g. as rene coupler) as well as in new KN ne couplers and repeaters are ecorefore have the same order nument of the physical address by oler function is automatically determined.	a repeater (line placement for an IX EIB networks. quipped with the iber. Simultameans of the EIB					
	N 140/03		1 4	5WG1 140-1AB03		030	0.060	1
	N 140/13 Connection of primary	and secondary lines over bus tel	rminal. 2	5WG1 140-1AB13		030	0.085	1



Power supply units, chokes, line/backbone couplers

		MW	Order No.	Price	PG	Weight 1 item	PS*/ P. un
		(1 MW = 18 mm)		1 item		kg	Item
odular installa	tion devices						
	N 146 IP router						
The state of the s	The IP router connects bus lines or bus areas using a fast Ir col (IP) data network. The Ethernet connection is accomplis a RJ45 socket. The bus connection is realized through a ter To be operated, the IP router additionally requires 24 V AC/I fed in through a second terminal block. The IP router utilizes the EIBnet/IP standard to route KNX EI between lines and enables parallel access from a PC. Used a LAN modem, it is also possible to remotely access a KNX tion. The IP router offers the following features: • Easy connection to higher-level systems by using the Inte (IP) • Direct access from any point in the IP network to the KNX E (EIBnet/IP tunneling) • Fast communication between KNX EIB lines, KNX EIB-are tems (EIBnet/IP routing) • Communication between buildings and real estate • Filtering and forwarding of telegrams according to physic address • Group address • LED displays for • Availability • KNX EIB communication • IP communication.	hed through minal block. DC, which is B telegrams together with EIB installarmet protocol IB installation as and sys-				0.400	
		2 (1)	5WG1 146-1AB	01	030	0,126	1

Connectors

Selection and	ordering data						
		MW	Order No.	Price	PG	Weight 1 item	PS*/ P. unit
		(1 MW =18 mm)		1 item		kg	Items
Modular inst	allation devices						
-	REG 191/01, 2-fold (discontinued model) A connector of low design for positioning under distributor covers. Creates a connection between data rails and the bus cable. As many as 8 bus cables can be connected through two 193 bus terminals (must be ordered separately).						
	(must be ordered separately).	1 (9	5WG1 191-5AB01		030	0.045	1
	REG 191/11, 2 x 2-fold (discontinued model)						
	Same as the REG 191/01 connector, except the tional connections for two extra-low voltage term separately). The unchoked voltage can thus be	minals (must be ordered			030	0.045	1