

multisys Gateways / Repeater

Housing sizes (H x W x D in mm)	90 x 35 x 61 90 x 53 x 61	
Interfaces	eBus TCP / IP eBus serial Modulbus Profibus DP	

multisys
Gateway 2D2-ESET

multisys
Gateway 2D2-BSET

Gateways and repeater for connection of serial eBus / module bus devices

- Highlights**
- Compact construction
 - No additional power supply unit necessary ¹
 - No configuration necessary ²

¹ With the exception of the multisys Gateway 1D3 ESDP.

² Only the TCP/IP configuration must be adjusted to local conditions.

An overall view of **technical details** can be found on pages 86/87.

The **housing dimensions** are listed on pages 88/89.

The **KBR gateways** and **KBR repeater** have been specifically developed for the construction of complex energy management systems. Depending on the type, they allow the connection of serial eBus or module bus devices to a TCP/IP network, in many cases thereby avoiding the need for additional cables to be laid. Additionally, the connection of module bus devices directly to the eBus or extend-

ing module bus and eBus segments is possible with the appropriate repeater modules. Typical communication requirements can be fulfilled with adjusted and tested components – without the functional risk of additional purchased parts. The respective setup guidelines (eBus / module bus) must be observed when this is done.



multisys
Gateway 2D2-ESBS

multisys
Gateway 2D2-BSES

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Gateway 1D3-ESDP

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Repeater 2D2-BSBS

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Repeater 2D2-ESES

Technical specifications

DEVICE TYPE	INTERFACE A	INTERFACE B	INTENDED PURPOSE
GATEWAYS			
multisys 2D2-ESET	eBus serial RS485	eBus TCP / IP	→ Connection of eBus segments to Ethernet TCP / IP
multisys 2D2-BSET	Module bus serial RS485	eBus TCP / IP	→ Connection of Module bus segments to Ethernet TCP / IP
multisys 2D2-ESBS	eBus serial RS485	Module bus serial RS485	→ Gateway for lengthening and electrical isolation of Module bus segments via eBus. On the opposite side the use of a multisys ...-BSES is necessary.
multisys 2D2-BSES	Module bus serial RS485	eBus serial RS485	→ Connection of module bus devices to eBus
multisys 1D3-ESDP	eBus serial RS485	Profibus DP	→ Connection of multcomp, BK12, multicount and multimes ... F96 to Profibus DP
REPEATER			
multisys 2D2-BSBS	Module bus serial RS485	Module bus serial RS485	→ Expansion of module bus by further devices
multisys 2D2-ESES	eBus serial RS485	eBus serial RS485	→ Expansion of eBus by 31 devices or 1,200 m

multisys Technical details

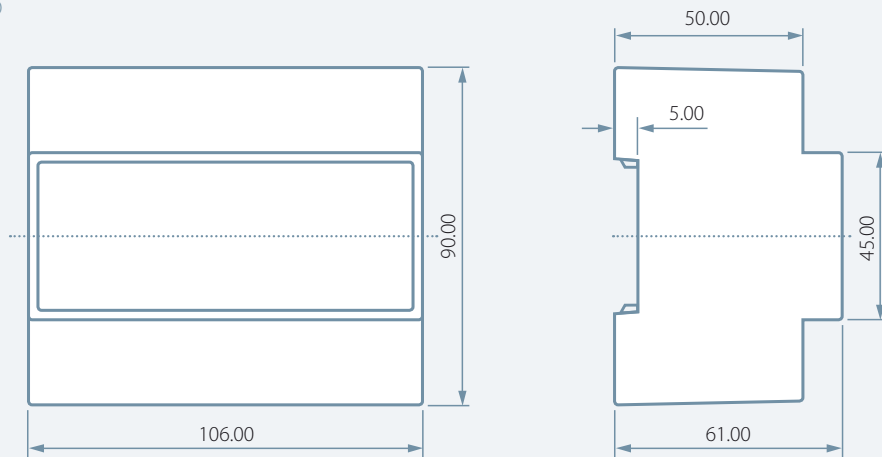
		multisys			
DEVICE TYPE		3D6-ET-8-EBM	3D6-ET-8-AIO	1D3-NT5V	2D2-ESET
FUNCTION	System center	■	■	–	–
	Gateway	–	–	–	■
	Repeater	–	–	–	–
	Power supply unit	–	–	■	–
FUNCTION		5V DC via 1D3-NT5V		85 – 265 V AC / DC	
INTERFACES	eBus serial	–	–	–	■
	eBus TCP/IP	■	■	–	■
	Module bus supplying	–	–	–	–
	Module bus	–	–	–	–
	Profibus DP (Sub-D)	–	–	–	–
MECHANICAL DATA	Housing size Module size in mm (H x W x D)	6 TE 90 x 106 x 61		3 TE 90 x 53 x 61	2 TE 90 x 35 x 61
	Weight	Approx. 580 g		Approx. 250 g	Approx. 120 g
STANDARDS AND MISCELLANEOUS	Standards	DIN EN 60721-3-3/A2: 1997 – 07 3K5+3Z11 (IEC 721-3-3 3K5 + 3Z11)			
	Operating temperature	– 5 °C ... + 45 °C		– 5 °C ... + 60 °C	
	Humidity	5 % ... 95 %			
	Protection class	I in accordance with DIN EN 61010-1 : 2002 – 08			
	Mode of protection	IP20 in accordance with DIN EN 40050 Part 9: 1993 – 05			
	Electromagnetic compatibility	DIN EN 61000-6-3: 2005 – 06 (IEC 61000-6-3) DIN EN 61000-6-2: 2006 – 03 (IEC 61000-6-2)			

	2D2-BSET	2D2-ESBS	2D2-BSES	1D3-ESDP	2D2-BSBS	2D2-ESES
	-	-	-	-	-	-
	■	■	■	■	-	-
	-	-	-	-	■	■
	-	-	-	-	-	-
	85 – 265 V AC / DC			24 V AC / DC	85 – 265 V AC / DC	
	-	■	■	■	-	■
	■	-	-	-	-	-
	■	-	■	-	-	-
	-	■	-	-	■	-
	-	-	-	■	-	-
	2 TE 90 x 35 x 61			3 TE 90 x 53 x 61	2 TE 90 x 35 x 61	
	Approx. 120 g			Approx. 140 g	Approx. 120 g	
	DIN EN 60721-3-3/A2: 1997 – 07 3K5+3Z11 (IEC721-3-3 3K5 + 3Z11)					
	– 5 °C ... + 60 °C					
	5 % ... 95 %					
	I in accordance with DIN EN 61010-1 : 2002 – 08					
	IP20 in accordance with DIN EN 40050 Part 9: 1993 – 05					
	DIN EN 61000-6-3: 2005 – 06 (IEC 61000-6-3) DIN EN 61000-6-2: 2006 – 03 (IEC 61000-6-2)					

multisys Dimensions

multisys eBus-Master

3D6-ET-8-EBM
3D6-ET-8-AIO

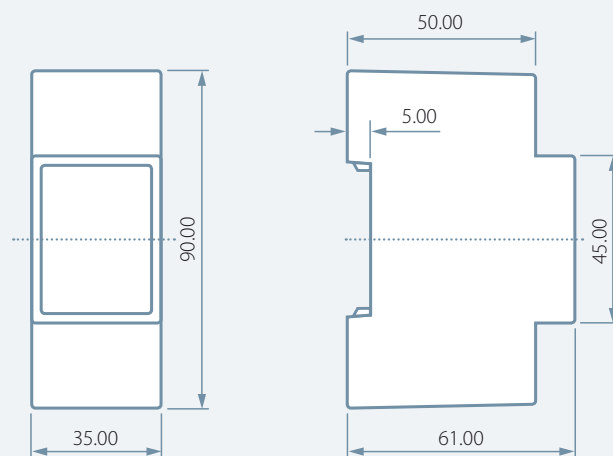


multisys Gateways

2D2-ESET
2D2-BSET
2D2-ESBS
2D2-BSES

multisys Repeater

2D2-BSBS
2D2-ESES



multisys Gateway
1D3-ESDP

