

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 D2-ESET



multisys
Gateway D2-BSET



multisys
Gateway D2-ESBS



multisys
Gateway D2-BSES



multisys
Gateway D3-ESDP



multisys
Repeater D2-BSBS



multisys
Repeater D2-ESES

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 D3 ESDP.
² Only the TCP / IP configuration must be adjusted to local conditions.

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.

Technical specifications

DEVICE TYPE	INTERFACE A	INTERFACE B	INTENDED PURPOSE
GATEWAYS			
multisys D2-ESET	eBus serial RS485	eBus TCP / IP	→ Connection of eBus segments to Ethernet TCP / IP
multisys D2-BSET	Module bus serial RS485	eBus TCP / IP	→ Connection of Module bus segments to Ethernet TCP / IP
multisys D2-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 D2-BSES	Module bus serial RS485	eBus serial RS485	→ Connection of module bus devices to eBus
multisys D3-ESDP	eBus serial RS485	Profibus DP	→ Connection of multicom, BK12, multicount and multimess ... F96 to Profibus DP
REPEATER			
multisys D2-BSBS	Module bus serial RS485	Module bus serial RS485	→ Expansion of module bus by further devices
multisys D2-ESES	eBus serial RS485	eBus serial RS485	→ Expansion of eBus by 31 devices or 1,200 m

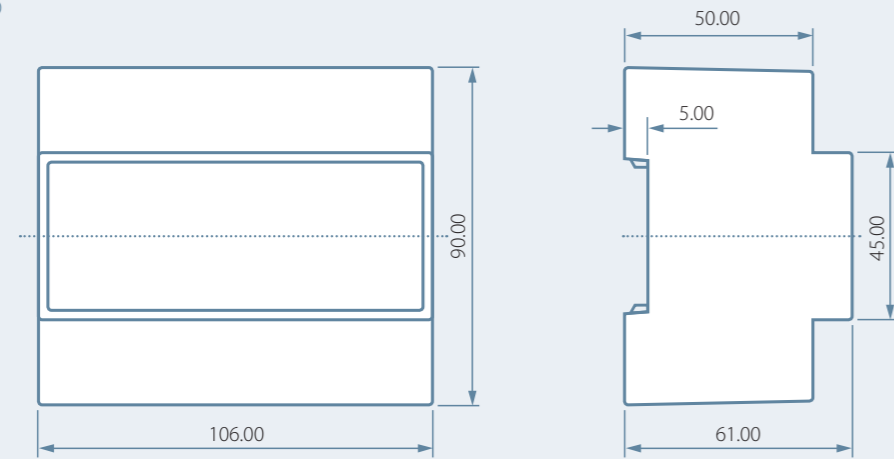
multisys Technical details

		multisys										
DEVICE TYPE		D6-ET-8-EBM	D6-ET-8-AIO	D3-NT5V	D2-ESET	D2-BSET	D2-ESBS	D2-BSES	D3-ESDP	D2-BSBS	D2-ESES	
FUNCTION	System center	■	■	-	-	-	-	-	-	-	-	
	Gateway	-	-	-	■	■	■	■	■	-	-	
	Repeater	-	-	-	-	-	-	-	-	■	■	
	Power supply unit	-	-	■	-	-	-	-	-	-	-	
FUNCTION	5V DC via 1D3-NT5V			85 – 265 V AC / DC		85 – 265 V AC / DC			24V AC / DC	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		2 TE 90 x 35 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		Approx. 120 g			Approx. 140 g	Approx. 120 g	
STANDARDS AND MISCELLANEOUS	Standards	DIN EN 60721-3-3/A2: 1997 – 07 3K5+3Z11 (IEC721-3-3 3K5 + 3Z11)				DIN EN 60721-3-3/A2: 1997 – 07 3K5+3Z11 (IEC721-3-3 3K5 + 3Z11)						
	Operating temperature	-5 °C ... +45 °C			-5 °C ... +60 °C		-5 °C ... +60 °C					
	Humidity	5 % ... 95 %				5 % ... 95 %						
	Protection class	I in accordance with DIN EN 61010-1 : 2002 – 08					I in accordance with DIN EN 61010-1 : 2002 – 08					
	Mode of protection	IP20 in accordance with DIN EN 40050 Part 9: 1993 – 05					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)			DIN EN 61000-6-3: 2005 – 06 (IEC 61000-6-3)		DIN EN 61000-6-2: 2006 – 03 (IEC 61000-6-2)			

multisys Dimensions

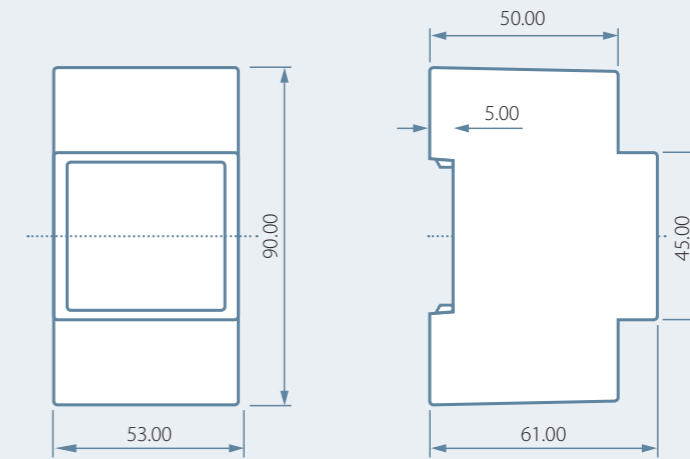
multisys eBus-Master

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



multisys Gateway

D3-ESDP



multisys Gateways

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

multisys Repeater

D2-BSBS
D2-ESES

