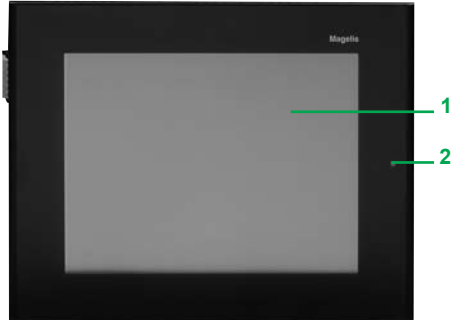


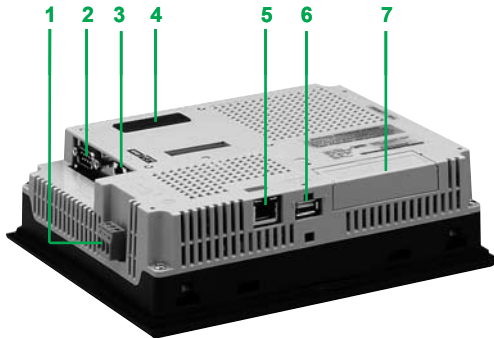
## Description

### Magelis XBT GT4230 & 4300 Advanced Panels



#### The front panel comprises:

- 1 A touch screen for displaying synoptic views (7.5" colour STN or 7.5" colour TFT, depending on the model)
- 2 A multicolour LED (green, orange and red) indicating the operating mode of the terminal



#### The rear panel comprises:

- 1 A removable screw terminal block for 24 V  $\square$  power supply
- 2 A 9-way male SUB-D connector for RS 232C or RS 422/485 serial link to PLCs (COM1)
- 3 An RJ45 connector for RS 485 serial link (COM2) with switch for polarization of the link used on Modbus
- 4 An expansion unit interface for fieldbus communication card (Device Net, PROFIBUS DP) (1)
- 5 An RJ45 connector for Ethernet TCP/IP link, 10BASE-T/100BASE-TX, with an activity LED
- 6 A USB type A host connector for peripheral connection, application transfer and Modicon M340 terminal port communication
- 7 A slot for Compact Flash memory card, with hinged cover
- 8 A removable input/output terminal block with 12 spring terminals for loudspeaker connection, one input (reset) and 3 outputs (alarm, buzzer, run)



#### On XBT GT4340 only:

- 9 A mini-jack connector for microphone connection
- 10 An RCA connector for connection of a digital or analog video camera (NTSC/PAL)

(1) See page 36356/11 for details of the required connection accessories

Type of terminal		XBT GT4230	XBT GT4330	XBT GT4340
Environment				
Conformity to standards		EN 61131-2, IEC 61000-6-2, FCC (Class A), UL 508, UL 1604, CSA C22-2 no. 14		
Product certifications		CE, cULus, CSA, Class 1 Div 2 T4A or T5 (UL and CSA), C-Tick, ATEX Zone 2/22		
Temperature	Operation	0...50°C		
	Storage	-20...+60°C		
Relative humidity	Operation/storage	10...90% (non-condensing)		
Altitude		< 2000 m		
Degree of protection	Front panel	IP 65 conforming to IEC 60529, Nema 4X (with fixing by means of 4 screw clips)		
	Rear panel	IP 20 conforming to IEC 60529		
Shock resistance		Conforming to IEC 60068-2-27; semi-sinusoidal pulse 11 ms, 15 gn on the 3 axes		
Vibrations		Conforming to IEC 60068-2-6; 5...9 Hz at 3.5 mm; 9...150 Hz at 1 g		
E.S.D.		Conforming to IEC 61000-4-2, level 3 (contact 6 kV, air 8 kV)		
Electromagnetic interference		Conforming to IEC 61000-4-3, 10 V/m		
Electrical interference		Conforming to IEC 61000-4-4, level 3 (power supply and I/O 2 kV, other ports 1 kV)		
Mechanical characteristics				
Mounting and fixing	Mounting on 1.6...10 mm thick panel	Flush mounted, fixed by 4 screw clips (included) or 4 spring clips (to be ordered separately)		
Material	Case	Aluminium (front)		
		Polycarbonate/polyethylene terephthalate alloy (rear)		
Electrical characteristics				
Power supply	Voltage	24 V ---		
	Limits	19.2...28.8 V ---		
	Voltage break	≤ 10 ms		
Inrush current		≤ 30 A		
Consumption		28 W		
Functional characteristics				
LCD screen	Type	Colour STN	Colour TFT	
	Colour	4096 colours	65,536 colours, 16,384 if flashing	
	Definition	640 x 480 pixels (VGA)		
	Size (width x height in mm)	7.5" (153.7 x 115.8)		
	Touch-sensitive area	Analog, resolution 1024 x 1024		
	Backlighting (service life at 25°C for continuous use)	54,000 hours		
	Adjustments	Brightness	8 levels via touch panel	
		Contrast	8 levels via touch panel	—
	Character fonts	ASCII (including all European characters), Japanese (ANK, Kanji), Chinese (simplified Chinese), Taiwanese (traditional Chinese), Korean		
Dialogue application	Max. number of pages	Limited by the capacity of the internal Flash memory or Compact Flash card		
Signalling		1 LED: green for normal operation, orange if backlighting faulty		
Operating system/processor		Magelis/266 MHz RISC CPU		
Memory	Application	32 MB Flash EPROM		
	Data backup	512 KB SRAM (lithium batteries)		
Schneider Electric protocols	Modicon	Modbus, Modbus Plus, Modbus TCP/IP, Uni-TE, FIPWAY, FIPIO		
Third-party protocols	Mitsubishi	Melsec	A/Q CPU (SIO), A/Q Ethernet (TCP), A Link (SIO), QnA CPU (SIO), Q Ethernet (UDP), FX (CPU)	
	Omron	Sysmac	FINS (Ethernet), FINS (SIO), LINK (SIO)	
	Rockwell Automation	Allen-Bradley	DF1-Full Duplex, DH 485, Ethernet IP (PLC5, SLC500, MicroLogix, ControlLogix), Ethernet IP (native), Device Net (1)	
	Siemens	Simatic	MPI (S7-300/400), RK512/3964R (S7-300/400), PPI (S7-200), Ethernet, Profibus DP (1)	
Real-time clock		Built-in real-time clock		
Expansion	Compact Flash card	1 slot for 128, 256, 512 MB or 1 GB Compact Flash memory card		
	Expansion unit	For fieldbus communication card (Device Net, Profibus DP) (1)		
Connections	Power supply	Removable screw terminal block: 3 terminals (pitch 5.06 mm), tightening torque 0.5 Nm		
	COM1 serial link (115.2 kbps max.)	9-way male SUB-D connector (RS 232C/RS 422/485 serial link)		
	COM2 serial link (115.2 kbps max.)	RJ45 connector (RS 485 link), compatible with Siemens MPI (187.5 kbps)		
	USB port (V1.1)	A USB type A host connector for downloading applications, peripheral connection and Modicon M340 terminal port communication		
	Ethernet TCP/IP network (10BASE-T/100BASE-TX)	RJ45 connector (10BASE-T/100BASE-TX)		
	Audio input (microphone)	—		Mini-jack connector
	Video input, NTSC/PAL (59.9/50 Hz)	—		RCA connector (75 Ω)
	Inputs/outputs	Screw connector for 1 audio output (8 Ω, 70 mW, frequency 1 kHz), 1 discrete input and 3 discrete outputs		

(1) See page 36356/11 for details of the required connection accessories

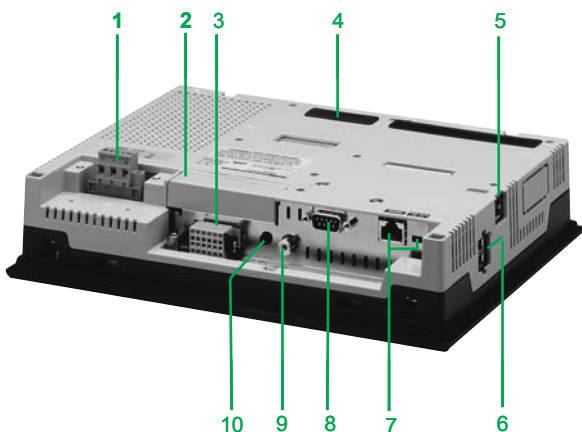
## Description

Magelis XBT GT5230, XBT GT5300 and XBT GT 5430 Advanced Panels



### The front panel comprises:

- 1 A touch screen for displaying synoptic views (10.4" colour STN or 10.4" colour TFT, depending on model)
- 2 A multicolour LED (green, orange and red) indicating the operating mode of the terminal



### The rear panel comprises:

- 1 A removable screw terminal block for 24 V  $\overline{\text{AC}}$  power supply
- 2 A slot for Compact Flash memory card, with hinged cover
- 3 A removable I/O terminal block (1), 12 spring terminals for loudspeaker connection, one input (reset) and 3 outputs (alarm, buzzer, run)
- 4 An expansion unit interface for fieldbus communication card (Device Net, PROFIBUS DP) (2)
- 5 An RJ45 connector for Ethernet TCP/IP link, 10BASE-T/100BASE-TX, with an activity LED
- 6 Two USB type A host connectors for peripheral connection, application transfer and Modicon M340 terminal port communication
- 7 An RJ45 connector for RS 485 serial link (COM2) with switch for polarization of the link used on Modbus
- 8 A 9-way male SUB-D connector for RS 232C or RS 422/485 serial link to PLCs (COM1)

### On XBT GT5340 only:

- 9 A mini-jack connector for microphone connection
- 10 An RCA connector for connection of a digital or analog video camera (NTSC/PAL)

(1) On model XBT GT5230, this removable terminal block is located on the rear panel of the terminal.

(2) See page 36356/11 for details of the required connection accessories.

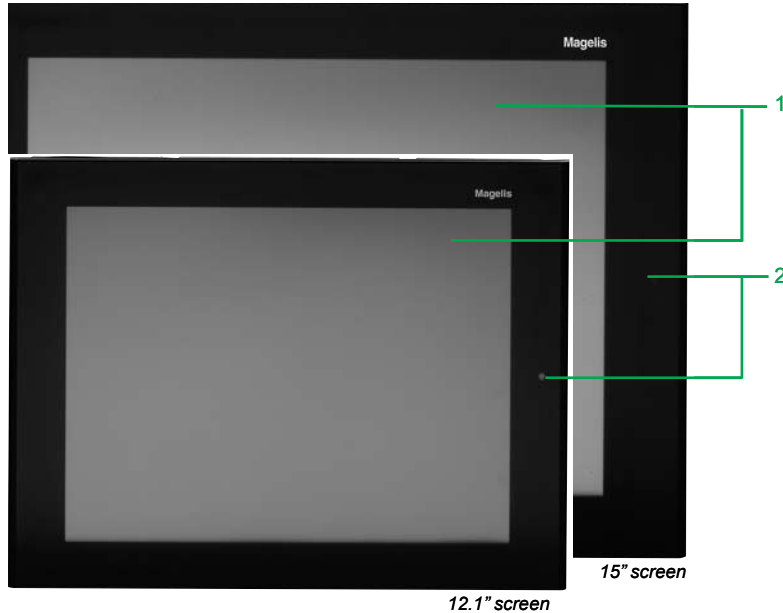
Type of terminal		XBT GT5230	XBT GT5330	XBT GT 5430	XBT GT5340	
Environment						
Conformity to standards		EN 61131-2, IEC 61000-6-2, FCC (Class A), UL 508, UL 1604, CSA C22-2 n°14 (2)				
Product certifications		CE, cULus, CSA (2), Class 1 Div 2 T4A or T5 (UL and CSA) (2), C-Tick, ATEX Zone 2/22 (2)				
Temperature	Operation	0...50°C				
	Storage	-20...+60°C				
Relative humidity	Operation/storage	10...90% (non-condensing)				
Altitude		< 2000 m				
Degree of protection	Front panel	IP 65 conforming to IEC 60529, Nema 4X (with fixing by means of 4 screw clips)				
	Rear panel	IP 20 conforming to IEC 60529				
Shock resistance		Conforming to IEC 60068-2-27; semi-sinusoidal pulse 11 ms, 15 gn on the 3 axes				
Vibrations		Conforming to IEC 60068-2-6; 5...9 Hz at 3.5 mm; 9...150 Hz at 1 g				
E.S.D.		Conforming to IEC 61000-4-2, level 3 (contact 6 kV, air 8 kV)				
Electromagnetic interference		Conforming to IEC 61000-4-3, 10 V/m				
Electrical interference		Conforming to IEC 61000-4-4, level 3 (power supply and I/O 2 kV, other ports 1 kV)				
Mechanical characteristics						
Mounting and fixing	Mounting on 1.6...10 mm thick panel	Flush mounted, fixed by 4 screw clips (included) or 4 spring clips (to be ordered separately)				
Material	Case	Aluminium (front)				
		Polycarbonate/polyethylene terephthalate alloy (rear)				
Electrical characteristics						
Power supply	Voltage	24 V ---				
	Limits	19.2...28.8 V ---				
	Voltage break	≤ 10 ms				
Inrush current		≤ 30 A				
Consumption		26 W	30 W			
Functional characteristics						
LCD screen	Type	Colour STN	Colour TFT			
	Colour	4096 colours	65,536 colours, 16,384 if flashing			
	Definition	640 x 480 pixels (VGA)	800 x 600 pixels (SVGA)	640 x 480 pixels (VGA)		
	Size (width x height in mm)	10.4" (215.2 x 162.3)	10.4" (211.2 x 158.4)			
	Touch-sensitive area	Analog, resolution 1024 x 1024				
	Backlighting (service life at 25°C for continuous use)	54,000 hours	50,000 hours			
	Adjustments	Brightness	8 levels via touch panel			
		Contrast	8 levels via touch panel	—		
	Character fonts	ASCII (including all European characters), Japanese (ANK, Kanji), Chinese (simplified Chinese), Taiwanese (traditional Chinese), Korean				
Dialogue application	Max. number of pages	Limited by the capacity of the internal Flash memory or Compact Flash card				
Signalling		1 LED: green for normal operation, orange if backlighting faulty				
Operating system/processor		Magelis/266 MHz RISC CPU				
Memory	Application	32 MB Flash EPROM				
	Data backup	512 KB SRAM (lithium batteries)				
Schneider Electric protocols		Modicon	Modbus, Modbus Plus, Modbus TCP/IP, Uni-TE, FIPWAY, FIPIO			
Third-party protocols	Mitsubishi	Melsec	A/Q CPU (SIO), A/Q Ethernet (TCP), A Link (SIO), QnA CPU (SIO), Q Ethernet (UDP), FX (CPU)			
	Omron	Sysmac	FINS (Ethernet), FINS (SIO), LINK (SIO)			
	Rockwell Automation	Allen-Bradley	DF1-Full Duplex, DH 485, Ethernet IP (PLC5, SLC500, MicroLogix, ControlLogix), Ethernet IP (native), Device Net (1)			
	Siemens	Simatic	MPI (S7-300/400), RK512/3964R (S7-300/400), PPI (S7-200), Ethernet, Profibus DP (1)			
Real-time clock		Built-in real-time clock				
Expansion	Compact Flash card	1 slot for 128, 256, 512 MB or 1 GB Compact Flash memory card				
	Expansion unit	For fieldbus communication card (Device Net, Profibus DP) (1)				
Connections	Power supply	Removable screw terminal block: 3 terminals (pitch 5.06 mm), tightening torque 0.5 Nm				
	COM1 serial link (115.2 kbps max.)	9-way male SUB-D connector (RS 232C/RS 422/485 serial link)				
	COM2 serial link (115.2 kbps max.)	RJ45 connector (RS 485 link), compatible with Siemens MPI (187.5 kbps)				
	USB port (V1.1)	2 USB type A host connectors for downloading applications, connecting peripherals and Modicon M340 terminal port communication				
	Ethernet TCP/IP network (10BASE-T/100BASE-TX)	RJ45 connector				
	Audio input (microphone)	—			Mini-jack connector	
	Video input, NTSC/PAL (59.9/50 Hz)	—			RCA connector (75 Ω)	
	Inputs/outputs	Screw connector for 1 audio output (8 Ω,70 mW, frequency 1 kHz), 1 discrete input and 3 discrete outputs				

(1) See page 36356/11 for details of the required connection accessories

(2) Except XBT GT 5430

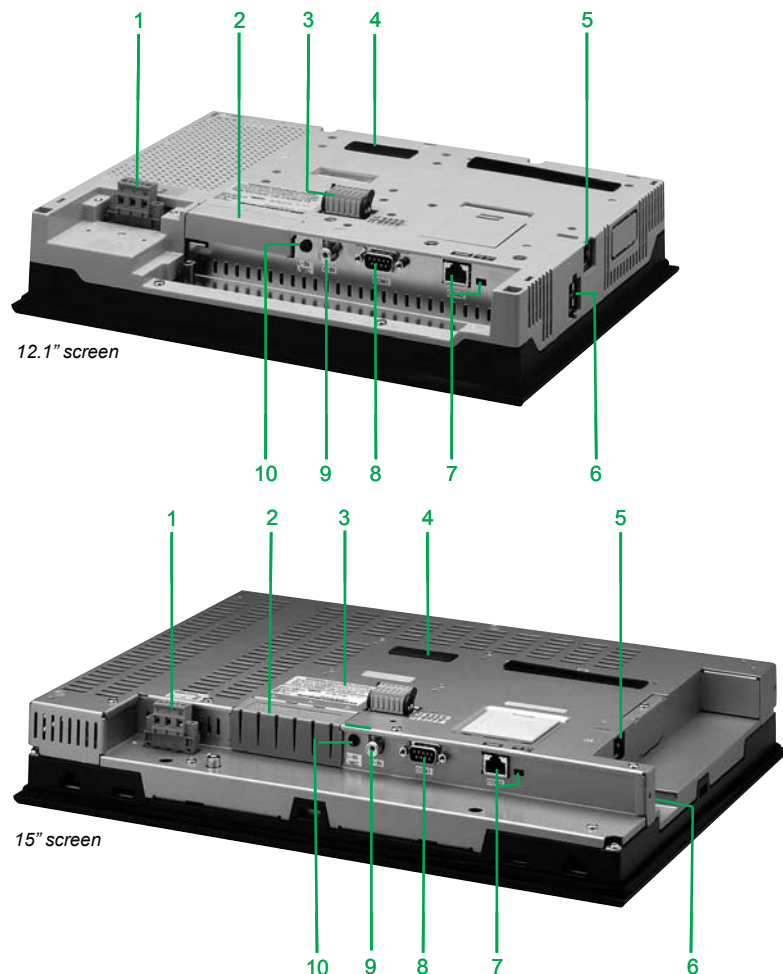
#### Description

Magelis XBT GT6300 & XBT GT7340 Advanced Panels



#### The front panel comprises:

- 1 A touch screen for displaying synoptic views (12.1" or 15" colour TFT, depending on model)
- 2 A multicolour LED (green, orange and red) indicating the operating mode of the terminal





#### The rear panel comprises:

- 1 A removable screw terminal block for 24 V power supply
- 2 A slot for Compact Flash memory card, with hinged cover
- 3 A removable input/output terminal block with 12 spring terminals for loudspeaker connection, one input (reset) and 3 outputs (alarm, buzzer, run)
- 4 An expansion unit interface for fieldbus communication card (Device Net, PROFIBUS DP) (1)
- 5 An RJ45 connector for Ethernet TCP/IP link, 10BASE-T/100BASE-TX, with an activity LED
- 6 Two USB type A host connectors for peripheral connection, application transfer and Modicon M340 terminal port communication
- 7 An RJ45 connector for RS 485 serial link (COM2) with switch for polarization of the link used on Modbus
- 8 A 9-way male SUB-D connector for RS 232C or RS 422/485 serial link to PLCs (COM1)

#### On XBT GT6340 and XBT GT7340 only:

- 9 A mini-jack connector for microphone connection
- 10 An RCA connector for connection of a digital or analog video camera (NTSC/PAL)

(1) See page 36356/11 for details of the required connection accessories

Type of terminal		XBT GT6330	XBT GT6340	XBT GT7340
Environment				
Conformity to standards		EN 61131-2, IEC 61000-6-2, FCC (Class A), UL 508, UL 1604, CSA C22-2 no. 14		
Product certifications		CE, cULus, CSA, Class 1 Div 2 T4A or T5 (UL and CSA), C-Tick, ATEX Zone 2/22		
Temperature	Operation	0...50°C		
	Storage	-20...+60°C		
Relative humidity	Operation/storage	10...90% (non-condensing)		
Altitude		< 2000 m		
Degree of protection	Front panel	IP 65 conforming to IEC 60529, Nema 4X (with fixing by means of 4 screw clips)		
	Rear panel	IP 20 conforming to IEC 60529		
Shock resistance		Conforming to IEC 60068-2-27; semi-sinusoidal pulse 11 ms, 15 gn on the 3 axes		
Vibrations		Conforming to IEC 60068-2-6; 5...9 Hz at 3.5 mm; 9...150 Hz at 1 g		
E.S.D.		Conforming to IEC 61000-4-2, level 3 (contact 6 kV, air 8 kV)		
Electromagnetic interference		Conforming to IEC 61000-4-3, 10 V/m		
Electrical interference		Conforming to IEC 61000-4-4, level 3 (power supply and I/O 2 kV, other ports 1 kV)		
Mechanical characteristics				
Mounting and fixing	Mounting on 1.6...10 mm thick panel	Flush mounted, fixed by 4 screw clamps (included) or 4 spring clips (to be ordered separately)		Flush mounted, fixed by 8 screw clips (included) or 4 spring clips (to be ordered separately)
Material	Case	Aluminium (front) Polycarbonate/polyethylene terephthalate alloy (rear)		Aluminium (front and rear)
Electrical characteristics				
Power supply	Voltage	24 V 		
	Limits	19.2...28.8 V 		
	Voltage break	≤ 10 ms		
Inrush current		≤ 30 A		
Consumption		30 W		42 W
Functional characteristics				
LCD screen	Type	Colour TFT		
	Colour	65,536 colours, 16,384 if flashing		
	Definition	800 x 600 pixels (SVGA)		1024 x 768 pixels (XGA)
	Size (width x height in mm)	12.1" (248 x 186.5)		15" (306 x 230.1)
	Touch-sensitive area	Analog, resolution 1024 x 1024		
	Backlighting (service life at 25°C for continuous use)	50,000 hours		
	Adjustments	Brightness	8 levels via touch panel	
		Contrast	—	
	Character fonts	ASCII (including all European characters), Japanese (ANK, Kanji), Chinese (simplified Chinese), Taiwanese (traditional Chinese), Korean		
Dialogue application	Max. number of pages	Limited by the capacity of the internal Flash memory or Compact Flash card		
Signalling		1 LED: green for normal operation, orange if backlighting faulty		
Operating system/processor		Magelis/266 MHz RISC CPU		
Memory	Application	32 MB Flash EPROM		
	Data backup	512 KB SRAM (lithium batteries)		
Schneider Electric protocols	Modicon	Modbus, Modbus Plus, Modbus TCP/IP, Uni-TE, FIPWAY, FIPIO		
Third-party protocols	Mitsubishi	Melsec	A/Q CPU (SIO), A/Q Ethernet (TCP), A Link (SIO), QnA CPU (SIO), Q Ethernet (UDP), FX (CPU)	
	Omron	Sysmac	FINS (Ethernet), FINS (SIO), LINK (SIO)	
	Rockwell Automation	Allen-Bradley	DF1-Full Duplex, DH 485, Ethernet IP (PLC5, SLC500, MicroLogix, ControlLogix), Ethernet IP (native), Device Net (1)	
	Siemens	Simatic	MPI (S7-300/400), RK512/3964R (S7-300/400), PPI (S7-200), Ethernet, Profibus DP (1)	
Real-time clock		Built-in real-time clock		
Expansion	Compact Flash card	1 slot for 128, 256, 512 MB or 1 GB Compact Flash memory card		
	Expansion unit	For fieldbus communication card (Device Net, Profibus DP) (1)		
Connections	Power supply	Removable screw terminal block: 3 terminals (pitch 5.06 mm), tightening torque 0.5 Nm		
	COM1 serial link (115.2 kbps max.)	9-way male SUB-D connector (RS 232C/RS 422/485 serial link)		
	COM2 serial link (115.2 kbps max.)	RJ45 connector (RS 485 link), compatible with Siemens MPI (187.5 kbps)		
	USB ports (V1.1)	2 USB type A host connectors for downloading applications, connecting peripherals and Modicon M340 terminal port communication		
	Ethernet TCP/IP network (10BASE-T/100BASE-TX)	1 RJ45 connector		
	Audio input (microphone)	—	Mini-jack connector	
	Video input, NTSC/PAL (59.9/50 Hz)	—	RCA connector (75 Ω)	
	Inputs/outputs	Screw connector for 1 audio output (8 Ω, 70 mW, frequency 1 kHz), 1 discrete input and 3 discrete outputs		

(1) See page 36356/11 for details of the required connection accessories