

Line 21

Simultaneous transmission of analogue telephone signals and Ethernet using a single existing telephone line

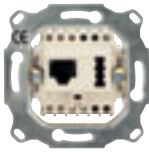
Technology:

- It is not necessary to install an additional line. The existing telephone sockets are simply replaced with Line 21 sockets. This means that the existing telephone line (4-core) becomes an extended network for two services, analogue telephony and PC networking.

Possible applications include analogue telephony plus:

- Networking all PCs in the house or
- Extension of a DSL link or
- Connecting a digital video recorder in the network or
- Connecting surveillance cameras with networking capability or
- Using printers in a shared network

Technical Information: Line 21 (⇒ p. 480)



Line 21 Combination socket-outlet RJ45/TAE

With integrated Line 21 technology.

For connecting an analogue telephone/telecommunications system (TAE) and a digital network device (RJ45, 8-pole) such as PC, HUB, router, Merten switch (art. no. 465711) or IC 1 (art. no. 6950..., 6951...)

With 4 screw terminals for the installation line and 2 for the connection of additional telephone socket-outlets.

Cable length: max. 50 m

Transmission rate: max. 100 Mbit/s

To be completed with: Central plate for telephone socket-outlet TAE, art. no. System M 2960..., 2979..., System Basis 2928..., System Design 2978..., OCTOCOLOR 2938...

Technical Information: Line 21 Combination socket-outlet RJ45/TAE (⇒ p. 481)

Version	Art. no.	PU	PG	Info
8(6)-6F+N	465709	1/60	1	



Line 21 RJ45 insert 8/8

With integrated Line 21 technology.

For connecting an analogue telephone/telecommunications system (RJ45, 8-pole) and a digital network device (RJ45, 8-pole) such as PC, HUB, router, Merten switch (art. no. 465711) or IC 1 (art. no. 6950..., 6951...)

With 4 screw terminals for the installation line and 2 for analogue telephony.

Cable length: max. 50 m

Transmission rate: max. 100 Mbit/s

To be completed with: Central plate for RJ45 insert, 2-gang, art. no. System M 2961..., 2980..., System Basis 2927..., System Design 2926..., or OCTOCOLOR 2920...

Technical Information: Line 21 RJ45 insert 8/8 (⇒ p. 481)

Version	Art. no.	PU	PG	Info
	465708	1/60	1	



IP20

Line 21 Patch panel REG, 6-gang

With integrated Line 21 technology.

Distribution board for simple changing of jumper cables without altering the wiring. With six lockable RJ45 ports, LSA+ terminal blocks. For installation on DIN rails EN 50022.

For connecting analogue telephones/telecommunications systems and digital network devices (RJ45, 8-pole) such as PC, HUB, router, Merten switch (art. no. 465711) or IC 1 (art. no. 6950..., 6951...)

With 2 LSA+ terminal blocks for the installation line and analogue telephony.

Cable length: max. 50 m

Transmission rate: max. 100 Mbit/s (per installed line)

Type of protection: IP 20

Device width: 6 modules = 108 mm

Accessories: Patch cable RJ45/RJ45, art. no. 465710.

Technical Information: Line 21 Patch panel REG, 6-gang (⇒ p. 481)

Version	Art. no.	PU	PG	Info
light grey	465714	1/16	1	



Line 21 Patch cable RJ45/TAE

Cable for connecting Line 21 RJ45 insert (art. no. 465708) and analogue telephones/telecommunications systems.

Length: 35 cm

Version	Art. no.	PU	PG	Info
grey/black	465713	1/150	1	

Network components



IP20

Patch panel REG, 6-gang

Distribution board for simple changing of jumper cables without altering the wiring. With six lockable RJ45 ports, LSA+ terminal blocks. For installation on DIN rails EN 50022.

Category: CAT 5e

Type of protection: IP 20

Device width: 6 modules = 108 mm

Accessories: Patch cable RJ45/RJ45, art. no. 465710.

Version	Art. no.	PU	PG	Info
light grey	465712	1/16	1	



Switch REG, 5-gang

For targeted distribution of data to individual subscribers. The switch supports a data transfer rate of up to 100 Mbps. With five lockable RJ45 ports and integrated power supply unit. For installation on DIN rails EN 50022.

IP20

Supply voltage: AC 230 V

Category: CAT 5e

Display elements: LEDs per port for operating display and service function

Type of protection: IP 20

Device width: 6 modules = 108 mm

▣ **Accessories:** Patch cable RJ45/RJ45, art. no. 465710.

Version	Art. no.	PU	PG	Info
light grey	465711	1/15	1	



Patch cable RJ45/RJ45

Cable for establishing a connection between the patch panel and the switch.

Length: 35 cm

Version	Art. no.	PU	PG	Info
grey	465710	10/150	1	

Communications inserts and accessories



Central plate for RJ45 insert, 1-gang

For System Basis. For RJ45 inserts 8 (Cat 5e), RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

▣ **To be completed with:** RJ45 insert 8, art. no. 465720. RJ45 insert 8 Cat 5e, art. no. 465721.

Version	Art. no.	PU	PG	Info
white	291774	10/120	1	
polar white	291719	10/120	1	



Central plate for RJ45 insert, 1-gang

For System M. For RJ45 inserts 8 (Cat 5e), RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

▣ **To be completed with:** RJ45 insert 8, art. no. 465720. RJ45 insert 8 Cat 5e, art. no. 465721.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white, glossy	296244	10/120	1	
polar white, glossy	296219	10/120	1	
active white, glossy	296225	10/120	1	

▣ Thermoplastic classy matt

white	298344	10/120	1	
polar white	298319	10/120	1	
anthracite	298314	10/120	1.1	
aluminium	298360	10/120	1.1	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Central plate for RJ45 insert, 1-gang

With labelling field.

For System Design.

For RJ45 inserts 8 (Cat 5e), RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

▣ **To be completed with:** RJ45 insert 8, art. no. 465720. RJ45 insert 8 Cat 5e, art. no. 465721.

Accessories: Labelling strips for switches, socket-outlets, art. no. 395019

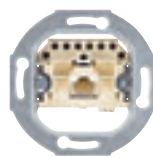
Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

white	291844	10/120	1	
polar white	291819	10/120	1	
aluminium	291860	10/120	1.1	

▣ metallic

stainless steel	291846	10/120	1.1	
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RJ45 insert 8

For connecting analogue or digital terminals using an 8-pole RJ45 socket.

With screw terminals.

▣ **To be completed with:** Central plate for RJ45 insert, 1-gang, art. no. System M 2962..., 2983..., System Basis 2917..., System Design 2918...

Version	Art. no.	PU	PG	Info
	465720	10/50	1	



RJ45 insert 8 Cat 5e

For connecting analogue or digital terminals using an 8-pole RJ45 socket.

Connection via LSA terminals.

▣ **To be completed with:** Central plate for RJ45 insert, 1-gang, art. no. System M 2962..., 2983..., System Basis 2917..., System Design 2918...

Version	Art. no.	PU	PG	Info
	465721	1/50	1	



Central plate for RJ45 insert, 2-gang

For System Basis.

For RJ45 inserts 8/8, 2x8, Line 21 RJ45 insert 8/8, RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

▣ **To be completed with:** RJ45 insert 8/8, art. no. 465701. RJ45 insert 2x8, art. no. 465702. RJ45 insert 8/8 Cat 5e, art. no. 465703. RJ45 insert 8/8 Cat 6, art. no. 465706.

Version	Art. no.	PU	PG	Info
white	292774	10/120	1	
polar white	292719	10/120	1	



Central plate for RJ45 insert, 2-gang

For System M.
For RJ45 inserts 8/8, 2x8, Line 21 RJ45 insert 8/8, RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

- ▣ **To be completed with:** RJ45 insert 8/8, art. no. 465701. RJ45 insert 2x8, art. no. 465702. RJ45 insert 8/8 Cat 5e, art. no. 465703. RJ45 insert 8/8 Cat 6, art. no. 465706.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	296144	10/120	1	
polar white, glossy	296119	10/120	1	
active white, glossy	296125	10/120	1	

Thermoplastic classy matt

white	298044	10/120	1	
polar white	298019	10/120	1	
anthracite	298014	10/120	1.1	
aluminium	298060	10/120	1.1	

- ▣ **Duroplastic, highly scratch-resistant:** With this article, use thermoplastic brilliant



Central plate for RJ45 insert, 2-gang

With labelling field.

For System Design.
For RJ45 inserts 8/8, 2x8, Line 21 RJ45 insert 8/8, RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

- ▣ **To be completed with:** RJ45 insert 8/8, art. no. 465701. RJ45 insert 2x8, art. no. 465702. RJ45 insert 8/8 Cat 5e, art. no. 465703. RJ45 insert 8/8 Cat 6, art. no. 465706.

Accessories: Labelling strips for switches, socket-outlets, art. no. 395019

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	292644	10/120	1	
polar white	292619	10/120	1	
vanilla	292682	10/120	1.2	
ice blue	292688	10/120	1.2	
light grey	292629	10/120	1.2	
midnight blue	292678	10/120	1.2	
dark brazil	292615	10/120	1.2	
black grey	292669	10/120	1.2	
aluminium	292660	10/120	1.2	

metallic

antique brass	292643	10/120	1.4	
stainless steel	292646	10/120	1.2	



Central plate for RJ45 insert, 2-gang

For OCTOCOLOR.
For RJ45 inserts 8/8, 2x8, Line 21 RJ45 insert 8/8, RJ45 inserts by Rutenbeck or E-DAT designs by BTR.

- ▣ **To be completed with:** RJ45 insert 8/8, art. no. 465701. RJ45 insert 2x8, art. no. 465702. RJ45 insert 8/8 Cat 5e, art. no. 465703. RJ45 insert 8/8 Cat 6, art. no. 465706.

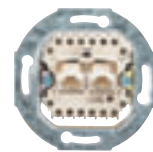
Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	292044	10/120	1	
polar white	292019	10/120	1	

metallic

varnished bronze	292042	10/120	1.2	
metallic				
varnished titanium	292005	10/120	1.2	



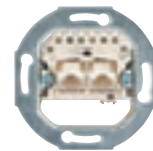
RJ45 insert 8/8

For connecting analogue or digital terminal units via two 8-pole RJ45 connectors.
With screw terminals.

- ▣ **To be completed with:** Central plate for RJ45 insert, 2-gang, art. no. System M 2961..., 2980..., System Basis 2927..., System Design 2926..., or OCTOCOLOR 2920...

▣ **Technical Information:** RJ45 insert 8/8 (⇒ p. 483)

Version	Art. no.	PU	PG	Info
white	465701	10/40	1	



RJ45 insert 2x8

For connecting analogue or digital terminal units via two 8-pole RJ45 connectors connected in parallel with bus-type cabling.
With screw terminals.

- ▣ **To be completed with:** Central plate for RJ45 insert, 2-gang, art. no. System M 2961..., 2980..., System Basis 2927..., System Design 2926..., or OCTOCOLOR 2920...

▣ **Technical Information:** RJ45 insert 2x8 (⇒ p. 483)

Version	Art. no.	PU	PG	Info
white	465702	10/40	1	



RJ45 insert 8/8 Cat 5e

For connecting analogue or digital terminal units via two 8-pole RJ45 connectors.
Connection via LSA terminals.

- ▣ **To be completed with:** Central plate for RJ45 insert, 2-gang, art. no. System M 2961..., 2980..., System Basis 2927..., System Design 2926..., or OCTOCOLOR 2920...

Version	Art. no.	PU	PG	Info
white	465703	1/50	1	



RJ45 insert 8/8 Cat 6

For connecting analogue or digital terminal units via two 8-pole RJ45 connectors. Connection via LSA terminals.

- To be completed with:** Central plate for RJ45 insert, 2-gang, art. no. System M 2961..., 2980..., System Basis 2927..., System Design 2926..., or OCTOCOLOR 2920...

Version	Art. no.	PU	PG	Info
white	465706	1/50	1	

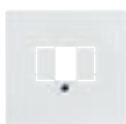


Central plate for telephone socket-outlet TAE

For telephone socket-outlets TAE or TDO, combination socket-outlets RJ45/TAE or flush-mounted USB interface.

- To be completed with:** Telephone socket-outlet TAE, art. no. 4652...Loudspeaker connection insert art. no. 4670...USB interface, flush-mounted, art. no. 681799. Telephone socket-outlet TDO, art. no. 465930.

Version	Art. no.	PU	PG	Info
white	292874	5/150	1	
polar white	292819	5/150	1	



Central plate for telephone socket-outlet TAE

For System M. For telephone socket-outlets TAE or TDO, combination socket-outlets RJ45/TAE or flush-mounted USB interface.

- To be completed with:** Telephone socket-outlet TAE, art. no. 4652...Loudspeaker connection insert art. no. 4670...USB interface, flush-mounted, art. no. 681799. Telephone socket-outlet TDO, art. no. 465930.

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white, glossy	296044	5/150	1	
polar white, glossy	296019	5/150	1	
active white, glossy	296025	5/150	1	

Thermoplastic classy matt

white	297944	5/150	1	
polar white	297919	5/150	1	
anthracite	297914	5/150	1.1	
aluminium	297960	5/150	1.1	

- Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Central plate for telephone socket-outlet TAE

For System Design. For telephone socket-outlets TAE or TDO, combination socket-outlets RJ45/TAE or flush-mounted USB interface.

- To be completed with:** Telephone socket-outlet TAE, art. no. 4652...Loudspeaker connection insert art. no. 4670...USB interface, flush-mounted, art. no. 681799. Telephone socket-outlet TDO, art. no. 465930.

Accessories: Labelling strips for switches, socket-outlets, art. no. 395019

Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	297844	1/150	1	
polar white	297819	1/150	1	
vanilla	297882	1/150	1.2	
ice blue	297888	1/150	1.2	
light grey	297829	1/150	1.2	
midnight blue	297878	1/150	1.2	
dark brazil	297815	1/150	1.2	
black grey	297869	1/150	1.2	
aluminium	297860	1/150	1.2	

metallic

antique brass	297843	1/150	1.4	
stainless steel	297846	1/150	1.2	



Central plate for telephone socket-outlet TAE

For telephone socket-outlets TAE or TDO, combination socket-outlets RJ45/TAE or flush-mounted USB interface.

- To be completed with:** Telephone socket-outlet TAE, art. no. 4652...Loudspeaker connection insert art. no. 4670...USB interface, flush-mounted, art. no. 681799. Telephone socket-outlet TDO, art. no. 465930.

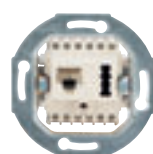
Version	Art. no.	PU	PG	Info
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Thermoplastic brilliant

white	293844	1/150	1	
polar white	293819	1/150	1	

metallic

bronze metallic	293842	1/150	1.2	
titanium	293805	1/150	1.2	



Combination socket-outlet RJ45/TAE (Cat 3)

For connecting a telephone and an analogue or digital terminal unit via the 8-pole RJ45 connector. With screw terminals.

- To be completed with:** Central plate for telephone socket-outlet TAE, art. no. System M 2960..., 2979..., System Basis 2928..., System Design 2978..., OCTOCOLOR 2938...

Technical Information: Combination socket-outlet RJ45/TAE (Cat 3) (⇒ p. 483)

Version	Art. no.	PU	PG	Info
8(6)-6F+N, white	465707	1/60	1	



Central plate for RJ 11/RJ 45 insert, 1-gang

For System Basis.
For Lexcom modules.

Version	Art. no.	PU	PG	Info
polar white	292219	5/150	1	



Central plate for RJ 11/RJ 45 insert, 1-gang

For System M.
For Lexcom modules.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

polar white, glossy	291519	5/150	1	
active white, glossy	291525	5/150	1	

▣ Thermoplastic classy matt

polar white	291119	5/150	1	
anthracite	291114	5/150	1.1	
aluminium	291160	5/150	1.1	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



Central plate for RJ 11/RJ 45 insert, 2-gang

For System Basis.
For Lexcom modules.

Version	Art. no.	PU	PG	Info
polar white	291919	5/150	1	



Central plate for RJ 11/RJ 45 insert, 2-gang

For System M.
For Lexcom modules.

Version	Art. no.	PU	PG	Info
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▣ Thermoplastic brilliant

polar white, glossy	291619	5/150	1	
active white, glossy	291625	5/150	1	

▣ Thermoplastic classy matt

polar white	291219	5/150	1	
anthracite	291214	5/150	1.1	
aluminium	291260	5/150	1.1	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**