

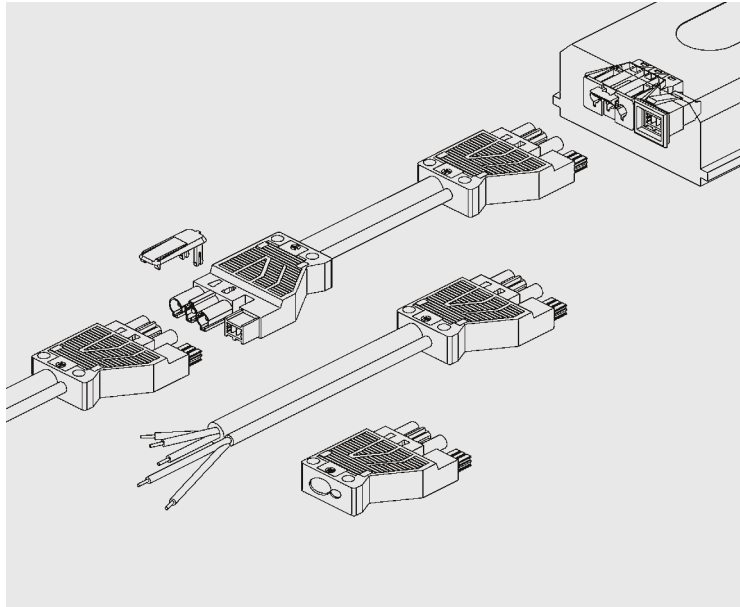


EST 2i3

3 pole mains

2 pole EIB bus

Application example





General

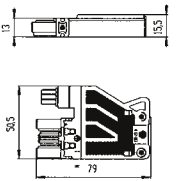
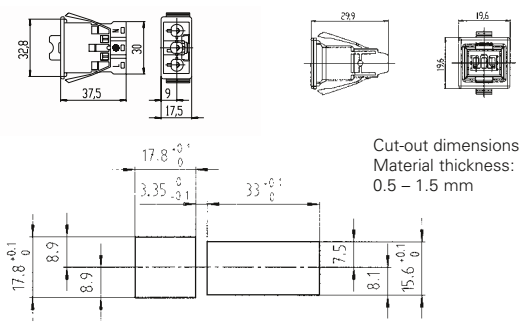
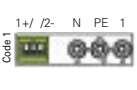
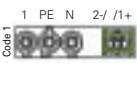
On the supply side, these connectors are designed with 3 poles and have the designation of L, N and PE. The signal component is intended for the transfer of the EIB bus signal for mechanical coding "Code 1". It is also possible to run dimming signals in parallel to the mains supply. The difference between the two mechanical codes lies in the signal component.

Mechanical coding ensures that only associated pairs of male and female connectors can be connected with the correct polarity. You therefore have the security of a clear segregation of different applications, at the same time preventing any incorrect connections. The color of the connectors indicate the relevant links. If only one code differentiation is sufficient or required, you can choose between two code combinations within the codes. These connectors are then mutually compatible.

Coding

					Application		Combination mains 3 pole, EIB 2 pole		Combination mains 3 pole, dimming 2 pole	
					Mechanical coding		Code 1		Code 2	
										
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black/green	white/green	black/pastel blue			
Connector	Compact connector	Spring/screw	yes	1						
Snap in	For material thickness: 0.5 – 1.5 mm	Spring		1						
Solder conn.	90°	Solder pins		1						
Cable assemblies	Male – Free end	pre-assembled	pre-assembled	pre-assembled				available on request		
	Female – Free end									
	Male – Female									

EST 2i3 2 pole 50 V, 3 A – 3 pole 250 V, 16 A

			Combined connector		Snap-in, spring-loaded			
Combined connector for 3 pole mains and 2 pole EIB bus			Mains: 3 pole, GST18i coding Screw connection 1.5 – 2.5 mm ² solid/fine-stranded Bus: 2 pole, BST 14i2 coding, spring-loaded connection 0.25 – 0.75 mm ² , solid/fine-stranded, unassembled with strain relief for twin cable LiYY, H05VV or NYM and bus cable Ø 5.5 – 6.5 mm Sheath strip length Insulation strip length Mains: 48 mm 7 mm Bus: 30 mm 9 mm		Mains: Panel mounting ¹⁾ , GST 18i3 coding 2 screwless connections per pole fine-stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ² Bus: panel mounting ¹⁾ BST 14i2 coding. For solid and fine-stranded cable 0.25 – 0.75 mm ² , with locking device			
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Female connector EIB bus connector <ul style="list-style-type: none"> – requirements according to the EIB manual – intended for connectable EIB applications – denoted by a green contact area for EIB bus – coding according to EIB standards 					 <p>Cut-out dimensions Material thickness: 0.5 – 1.5 mm</p>			
Combination of 3 pole mains and + 2 pole EIB bus 			black/green	93.501.0553.1 10	92.031.9658.1 100	93.421.0353.1 100		
Male connector			Type EST 2i3FS B1 Z		Type GST 18i3F B2 R V		Type BST 14i2F B1 R S	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination of 3 pole mains and + 2 pole EIB bus 			black/green	93.502.0553.1 10	92.032.9658.1 100	93.422.0353.1 100		
All products are compatible with the connection of individual components			Type EST 2i3FS S1 Z		Type GST 18i3F S2 R		Type BST 14i2F S1 R	

¹⁾ Panel material, deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions are available on request.
²⁾ See "Accessories" for ferrules and clamping tools.

Extension cable

Connection cable

3 pole mains

2 pole EIB bus

Connection cable

Mains – EIB bus

Female – Male

Mains – EIB bus

Female – Free end
with ferrules⁴⁾

Mains – EIB bus

Male – Free end
with ferrules⁴⁾

Cable assemblies with twin cables

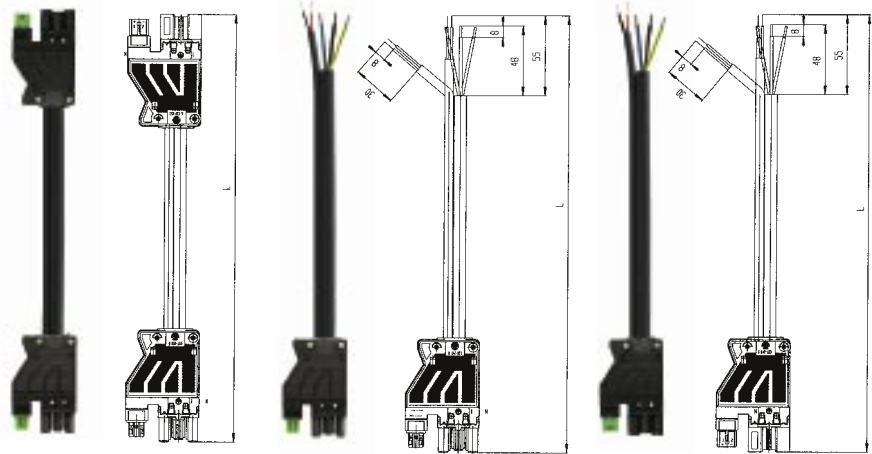
for mains and EIB bus

Twin cable for mains: 3 x 1.5 mm²
fine-stranded²⁾
Bus: 1 x 2 x 0.8 PIMF, solid
Type: LiYY...³⁾, black coding



PE = gn/yl + = rd
N = bl - = bk
L = br

The cable colors have been adapted to the new European standard HD 208 S2. The assignment corresponds to international recommendations.



Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination of 3 pole mains and + 2 pole EIB bus	Female 1+ / 2- N PE 1 Male 1 PE N 2+ / 1+	black/green	1.0 m	94.502.1000.7	30	94.502.1003.7	40	94.502.1004.7	40
			2.0 m	94.502.2000.7	20	94.502.2003.7	20	94.502.2004.7	20
			3.0 m	94.502.3000.7	15	94.502.3003.7	15	94.502.3004.7	15
			4.0 m	94.502.4000.7	10	94.502.4003.7	10	94.502.4004.7	10
			5.0 m	94.502.5000.7	10	94.502.5003.7	10	94.502.5004.7	10
			6.0 m	94.502.6000.7	8	94.502.6003.7	8	94.502.6004.7	8
			7.0 m	94.502.7000.7	6	94.502.7003.7	6	94.502.7004.7	6
			8.0 m	94.502.8000.7	5	94.502.8003.7	5	94.502.8004.7	5

Type

EST 2i3FKSB S

EST 2i3FKS-B

EST 2i3FKS-S

¹⁾ Other lengths available on request

²⁾ 2.5 mm² available on request

³⁾ Halogen-free version available on request

⁴⁾ Modification of the sheath/insulation strip lengths available on request

EST 2i3 2 pole 50 V, 3 A – 3 pole 250 V, 16 A

Combined distribution block

with locking device
Mains: 3 pole, coding GST 18i3, black, 1 input (male connector), 3 outputs (female connectors)
Bus: 2 pole, coding BST 14i2, green, 1 input (male connector), 3 outputs (female connectors)

Part No. Std. Pack



93.500.0053.1

EST2i3 V6PL FV

Sample kit

for EST 2i3



Contents:

Cable assembly,
 Male – Free end
 94.502.XY04.7
 sample length

Combined connector,
 female connector
 93.501.0553.1

BST 14i2 Snap-in male connector
 93.422.0353.1

GST 18i3 Snap-in male connector
 92.032.9658.1

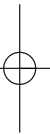
93.500.0253.1 and 93.500.0253.0

99.473.0000.0 1


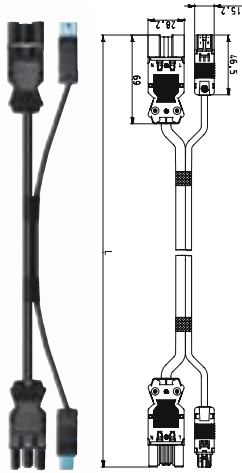
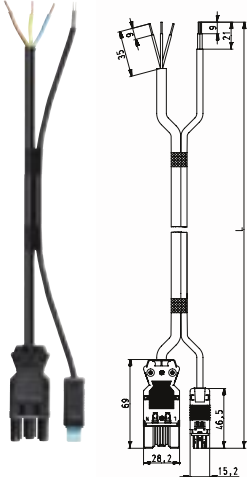
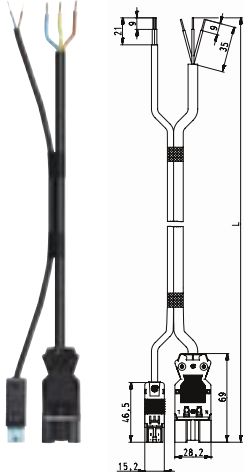


EST 2i3

3 pole mains

2 pole EIB bus



EST 2i3 ... L

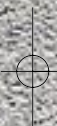
			Extension cable		Connection cable		Connection cable			
Cable: H05VV-F3G1.5 L03VV 2 x 0.5 Insulation: with halogen (PVC)										
Combined cable for mains and dimming function Twin cable Mains: GST 18i3, black coding Type: H05VV, 3 x 1.5 mm ² Dimming: BST 14i2, blue coding Type: L03VV-U, 2 x 0.5 mm ²  PE = gn/yl 1+ = bl N = bl 2- = bn L = bn			Standard cable Type H05VV-F3G1.5 L03VV2x0.5		Mains / Dimming Female – Male 3 x 1.5 mm ² 2 x 0.5 mm ²		Mains / Dimming Female – Free end 3 x 1.5 mm ² 2 x 0.5 mm ²		Mains / Dimming Male – Free end 3 x 1.5 mm ² 2 x 0.5 mm ²	
										
Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	
Combined cable 3 pole mains 2 pole dimming	Female 1+ / 2- L PE N  Male N PE L 2- / 1+ 	black/blue	1.0 m	94.502.1030.9		94.502.1033.9		94.502.1034.9		
			2.0 m	94.502.2030.9		94.502.2033.9		94.502.2034.9		
			3.0 m	94.502.3030.9		94.502.3033.9		94.502.3034.9		
			4.0 m	94.502.4030.9		94.502.4033.9		94.502.4034.9		
			5.0 m	94.502.5030.9		94.502.5033.9		94.502.5034.9		
			6.0 m	94.502.6030.9		94.502.6033.9		94.502.6034.9		
			7.0 m	94.502.7030.9		94.502.7033.9		94.502.7034.9		
			8.0 m	94.502.8030.9		94.502.8033.9		94.502.8034.9		
			Type	EST 2i3 FK1 BS ..L		EST 2i3 FK1 B ..L		EST 2i3 FK1 S ..L		

¹⁾ Other lengths available on request

EST 2i3

			Extension cable		3 pole mains Connection cable		2 pole dimming Connection cable		
Cable: S05Z1Z1-F3G1.5 L03Z1Z1-U2 x 0.5 Insulation: halogen-free			Mains – Dimming Female – Male		Mains – Dimming Female – Free end		Mains – Dimming Male – Free end		
Combined cable for mains and dimming signal Twin cable Mains: GST 18i3, black coding Type: H05VV, 3 x 1.5 mm ² Dimming: BST 14i2, blue coding Type: L03VV-U, 2 x 0.5 mm ²			Standard cable Type S05Z1Z1-F3G1.5 L03Z1Z1-U2x0.5						
<p>PE = gn/yl 1 + = bl N = bl 2 - = bn L = bn</p>									
Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combined cable 3 pole mains 2 pole dimming		black/blue	1.0 m	94.502.1090.9		94.502.1093.9		94.502.1094.9	
			2.0 m	94.502.2090.9		94.502.2093.9		94.502.2094.9	
			3.0 m	94.502.3090.9		94.502.3093.9		94.502.3094.9	
			4.0 m	94.502.4090.9		94.502.4093.9		94.502.4094.9	
			5.0 m	94.502.5090.9		94.502.5093.9		94.502.5094.9	
			6.0 m	94.502.6090.9		94.502.6093.9		94.502.6094.9	
			7.0 m	94.502.7090.9		94.502.7093.9		94.502.7094.9	
			8.0 m	94.502.8090.9		94.502.8093.9		94.502.8094.9	
			Type	EST 2i3 FK1 BS ..L		EST 2i3 FK1 B ..L		EST 2i3 FK1 S ..L	

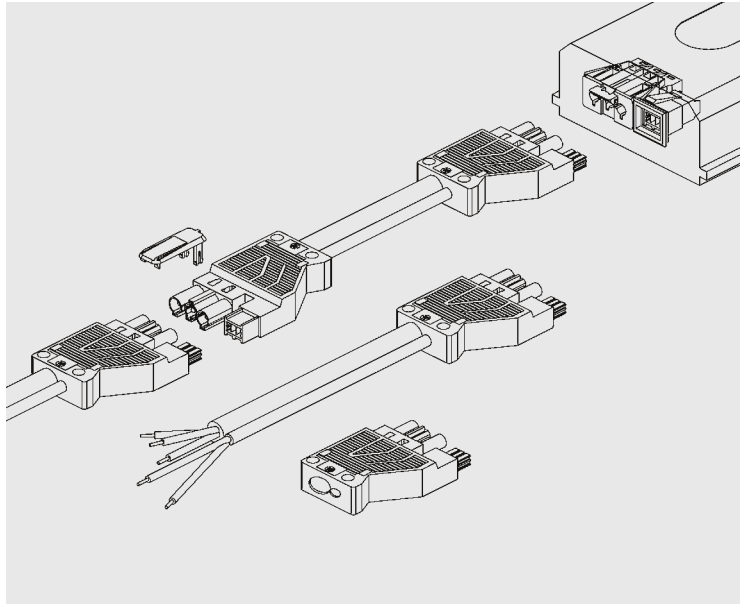
¹⁾ Other lengths available on request



EST 3i3

3 pole mains 2 pole signal + screen

Application example

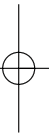


General








On the supply side, these connectors are designed with 3 poles and have the designation of L, N and ground.

The connection component for the transfer of the bus or control signals is mounted in parallel. Mechanical coding ensures that only male and female connectors of the same code can be connected with the correct polarity.

You therefore have the security that you cannot mistake these connectors for those of other applications and you thus have a clear segregation of different applications. The color of the connectors indicate the relevant usage. All the color combinations within a mechanical code can be connected together.



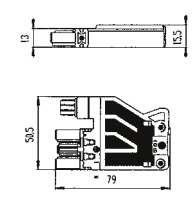
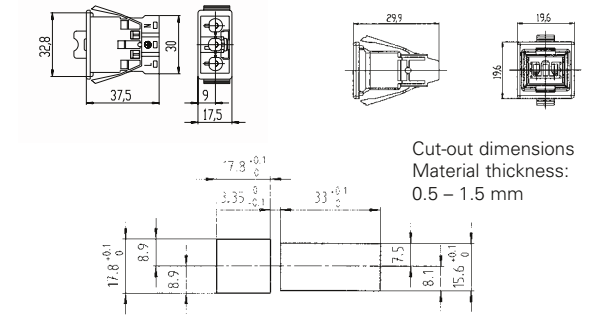
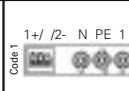
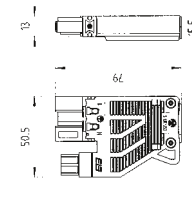
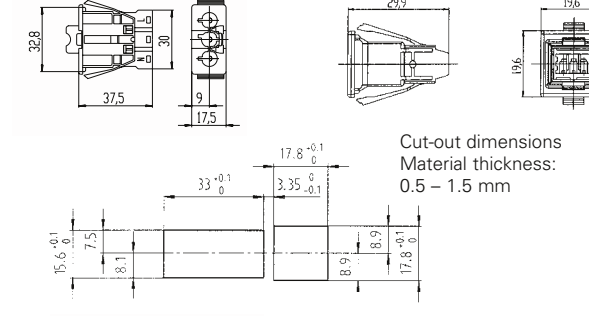

Coding

					Application	
					Combination mains 3 pole, bus/control signals 3 pole	
					Mechanical coding	
					Code 1 	
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black	white
Connector	Compact connector	Spring/ Screw	yes	1		available on request
Snap in	For material thickness: 0.5 – 1.5 mm	Spring		1		
Solder conn.	90°	Solder pins		1		
Cable assemblies	Male – Free end	pre-assembled	pre-assembled	pre-assembled		
	Female – Free end					
	Male – Female					

EST 3i 3 pole 50 V, 3 A – 3 pole 250 V, 16 A

Combined connector

Snap-in, spring-loaded

Combined connector			Mains: 3 pole, GST18i3 coding screw connection 1.5 – 2.5 mm ² , solid/fine-stranded		Mains: panel mounting ¹⁾ , 2 screwless connections per pole, fine-stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ²	
for 3 pole mains and 3 pole control signals			Signal: 3 pole, BST 14i3 coding, spring loaded connection 0.25 – 0.75 mm ² solid/fine-stranded, unassembled with strain relief, for twin cables LiYY, H05VV or NYM and data Ø 5.5 – 6.5 mm		Bus: panel mounting for single and fine-stranded cable 0.25 – 0.75 mm ² with locking device	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack
Female connector					 <p>Cut-out dimensions Material thickness: 0.5 – 1.5 mm</p>	
Combination of 3 pole mains + 2 pole bus control signals + screen 			93.511.2553.1	10	92.031.9658.1	100
black			Type EST 3i3FS B1 Z		Type GST 18i3F B2 R BST 14i3F B1 R	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack
Male connector					 <p>Cut-out dimensions Material thickness: 0.5 – 1.5 mm</p>	
Combination of 3 pole mains + 2 pole bus control signals + screen 			93.512.2553.1	10	92.032.9658.1	100
black			Type EST 3i3FS S 1 Z		Type GST 18i3F S2 R BST 14i3F S1 R	
Combined connectors will connect to individual components			¹⁾ Panel material, deburring and coating thickness can influence cut-out dimensions. Detailed installation instructions are available on request. ²⁾ See "Accessories" for ferrules and clamping tools			

3 pole mains 2 pole signal + screen

Extension cable

Connection cable

Connection cable

Female – Male

Female – Free end
with ferrules⁴⁾

Male – Free end
with ferrules⁴⁾

Cable assemblies

for mains and control signals

Cable: LiYY 3 x ...

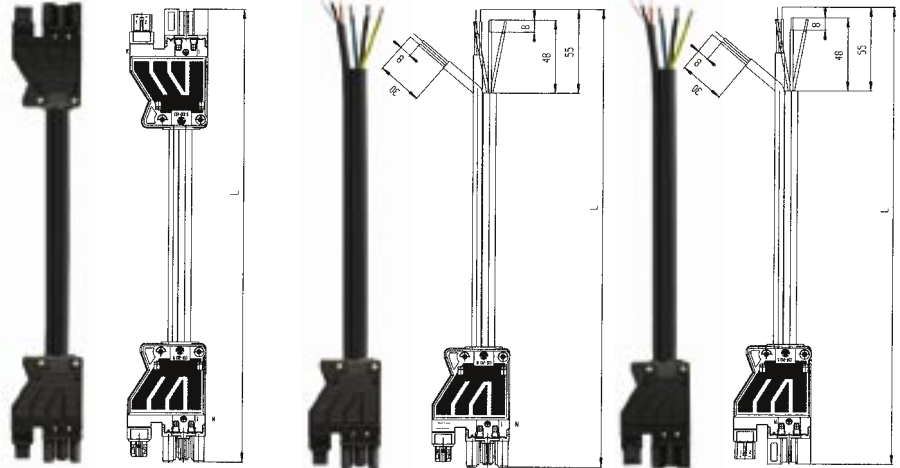
Twin cable for mains: 3 x 1.5 mm²
fine-stranded²⁾

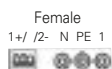

Bus: 1 x 2 x 0.8 PIMF solid

Type: LiYY...³⁾, black



PE = gn/yl + = rd
N = bl - = bk
L = br



Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination of 3 pole mains + 2 pole bus/control signals + screen	Female 1+/ /2- N PE 1  Male 1 PE N 2/ /1+ 	black	1.0 m	94.512.1000.1	30	94.512.1003.1	40	94.512.1004.1	40
			2.0 m	94.512.2000.1	20	94.512.2003.1	20	94.512.2004.1	20
			3.0 m	94.512.3000.1	15	94.512.3003.1	15	94.512.3004.1	15
			4.0 m	94.512.4000.1	10	94.512.4003.1	10	94.512.4004.1	10
			5.0 m	94.512.5000.1	10	94.512.5003.1	10	94.512.5004.1	10
			6.0 m	94.512.6000.1	8	94.512.6003.1	8	94.512.6004.1	8
			7.0 m	94.512.7000.1	6	94.512.7003.1	6	94.512.7004.1	6
			8.0 m	94.512.8000.1	5	94.512.8003.1	5	94.512.8004.1	5

Type

EST 3i3FKSBS

EST 3i3FKSB-

EST 3i3FKS-S

Rated voltage:

Mains

250 V

Signal

50 V

Rated current:

16 A

3 A

Wire range:

1.5 mm²

0.5 mm²

Number of poles:

3 pole

2 pole + screen

Cable:

e.g. twin cable LiYY..., halogen-free available on request

¹⁾ Other lengths available on request

²⁾ 2.5 mm² available on request

³⁾ Halogen-free version available on request

⁴⁾ Modification of the sheath/insulation strip lengths available on request

EST 3i 3 pole 50 V, 3 A – 3 pole 250 V, 16 A

Combined distribution block

with mounting flange

Mains: 3 pole, coding GST 18i3, black, 1 input (male connector), 3 outputs (female connectors)

Bus: 2 pole, coding BST 14i2, black, 1 input (male connector), 3 outputs (female connectors)

Part No. Std. Pack

93.510.0053.1

EST3i3 V6P2

Sample kit

For EST 3i3

Part No. Std. Pack



Contents:

Cable assembly
Male – Free end
94.512.XY04.1
Sample length

Spring-loaded connector
Female connector
93.511.2553.1

BST 14i3 Snap-in male connector
93.432.2353.1

GST 18i3 Snap-in male connector
92.032.9658.1

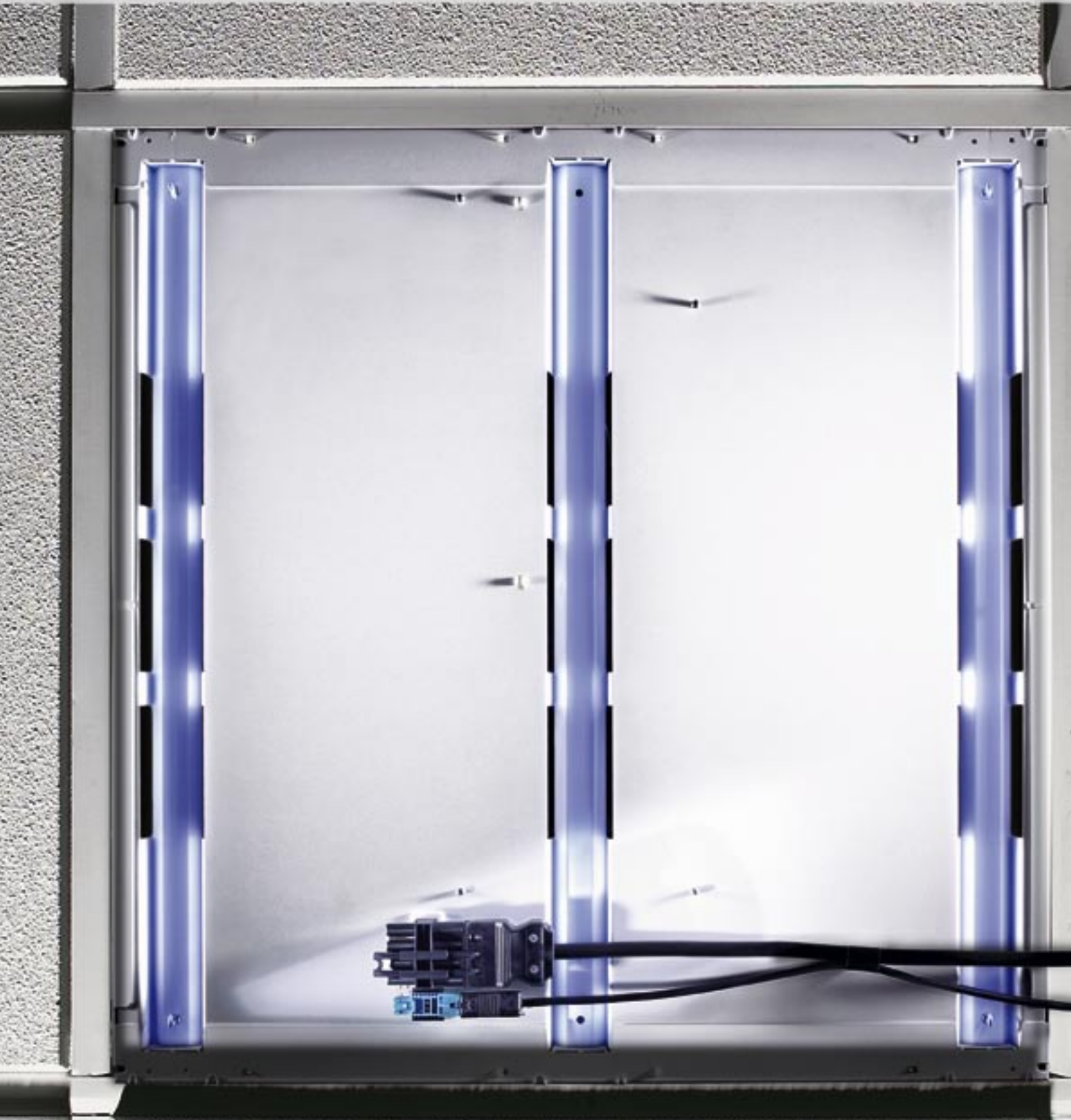
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EST 3i3

3 pole mains 2 pole signal + screen



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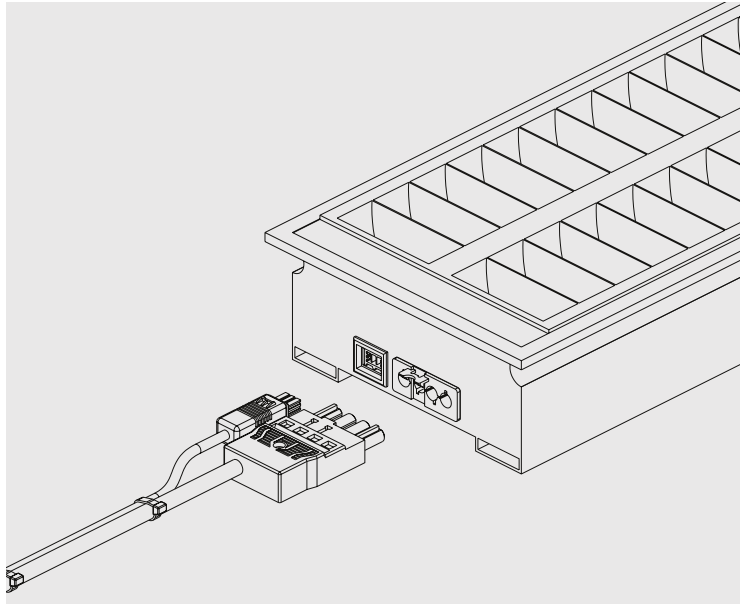


EST 2i4

4 pole mains

2 pole dimming

Application example

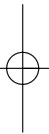


General


On the supply side, these connectors are designed with 4 poles and have the designation of 1, 2, N and PE.

The signal component is intended for the transfer of the dimming signal. Both connectors are mechanically coded. Mechanical coding ensures that only associated pairs of male and female connectors can be connected with the correct polarity. You therefore have the security of a clear segregation of different applications, at the same time preventing any incorrect connections.


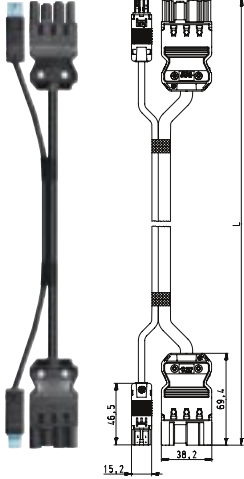
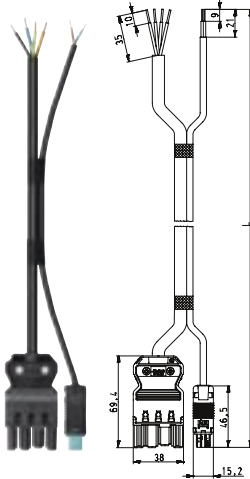
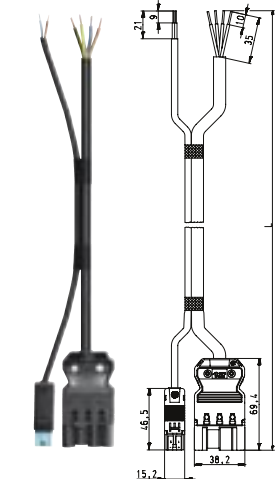


The color of the connectors indicate the relevant links.



Coding

		Combination 4 pole mains, 2 pole dimming
		
Name	Description	pastel blue / black
Connector	GST 18i4 and BST 14i2, blue coding	
Snap in	GST 18i4 and BST 14i2, blue coding	
Solder conn.	GST 18i4 and BST 14i2, blue coding	
Cable assemblies	Male – Free end	pre-assembled see following page
	Female – Free end	
	Male – Female	

EST 2i4 ... L

			Extension cable		Connection cable		Connection cable			
Cable: H05VV-F4G1.5 L03VV 2 x 0.5 Insulation: with halogen (PVC)										
Combined cable for mains and dimming function Twin cable Mains: GST 18i4, black coding Type: H05VV, 4 x 1.5 mm ² Dimming: BST 14i2, blue coding Type: L03VV-U, 2 x 0.5 mm ²  PE = gn/yl 1 + = bl N = bl 2 - = bn 1 = bn 2 = bk			Standard cable Type H05VV-F4G1.5 L03VV2x0.5							
Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack	
Combination 4 pole mains 2 pole dimming	Code 1  Code 2 	black/blue	1.0 m	94.522.1030.9		94.522.1033.9		94.522.1034.9		
			2.0 m	94.522.2030.9		94.522.2033.9		94.522.2034.9		
			3.0 m	94.522.3030.9		94.522.3033.9		94.522.3034.9		
			4.0 m	94.522.4030.9		94.522.4033.9		94.522.4034.9		
			5.0 m	94.522.5030.9		94.522.5033.9		94.522.5034.9		
			6.0 m	94.522.6030.9		94.522.6033.9		94.522.6034.9		
			7.0 m	94.522.7030.9		94.522.7033.9		94.522.7034.9		
			8.0 m	94.522.8030.9		94.522.8033.9		94.522.8034.9		
			Type	EST 2i4 FS BS ...L		EST 2i4 FS B-...L		EST 2i4 FS S-...L		

¹⁾ Other lengths available on request

²⁾ Modified sheath strip or insulation strip lengths available on request

EST 2i4

4 pole mains 2 pole dimming

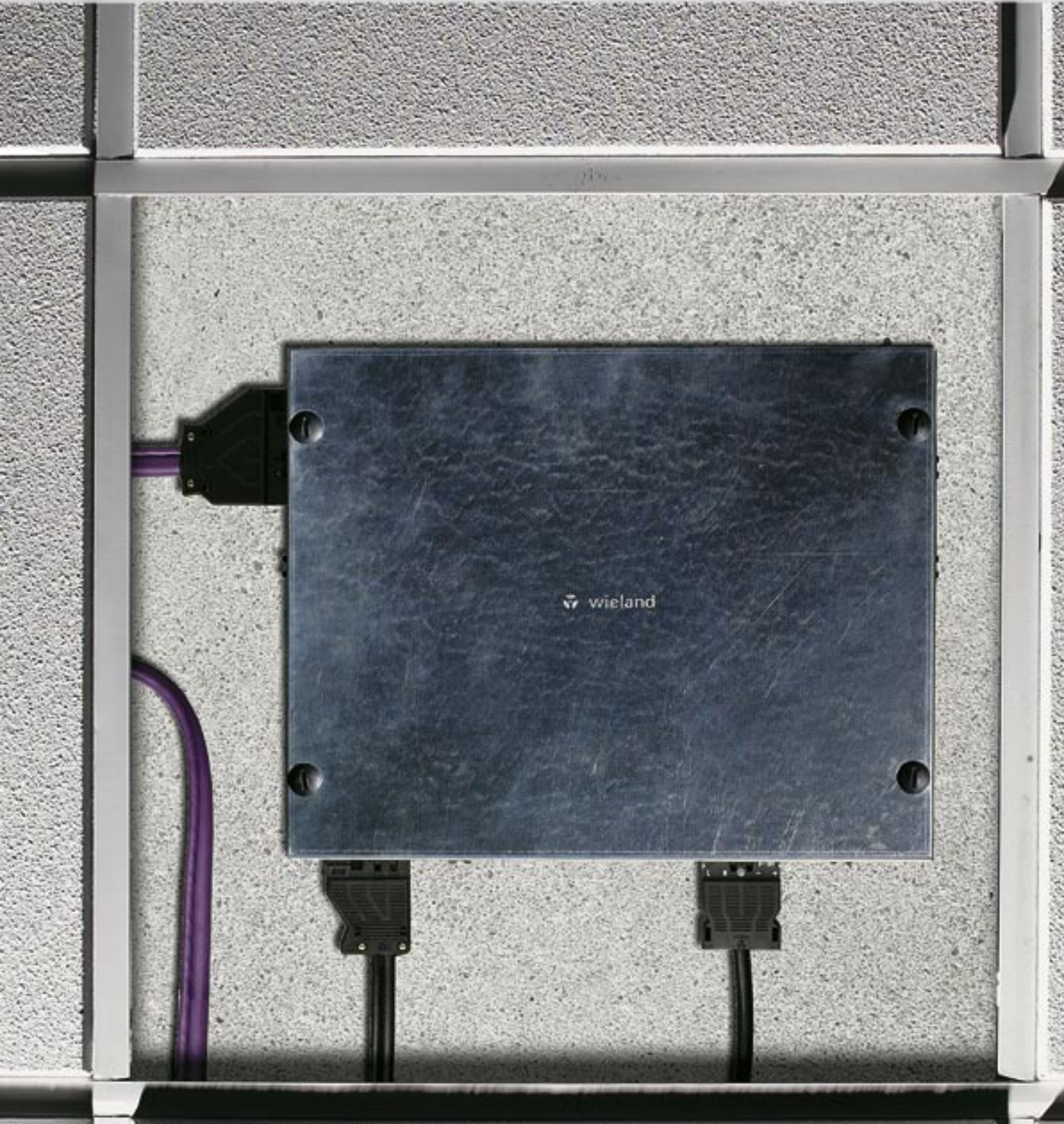
Cable: S05Z1Z1-F4G1.5 L03Z1Z1-U2 x 0.5	Extension cable		Connection cable		Connection cable	
	Mains / Dimming Female – Male		Mains / Dimming Female – Free end with ferrules ²⁾		Mains / Dimming Male – Free end with ferrules ²⁾	

Combined cable for mains and dimming signal Twin cable Mains: GST 18i4, black coding Type: H05VV, 4 x 1.5 mm ² Dimming: BST 14i2, blue coding Type: L03VV-U, 2 x 0.5 mm ²	Standard cable Type S05Z1Z1-F4G1.5 L03Z1Z1-U22x0.5						

Application	Coding	Color	Length ¹⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination 4 pole mains 2 pole dimming	Code 1 Code 2 	black/blue	1.0 m	94.522.1090.9		94.522.1093.9		94.522.1094.9	
			2.0 m	94.522.2090.9		94.522.2093.9		94.522.2094.9	
			3.0 m	94.522.3090.9		94.522.3093.9		94.522.3094.9	
			4.0 m	94.522.4090.9		94.522.4093.9		94.522.4094.9	
			5.0 m	94.522.5090.9		94.522.5093.9		94.522.5094.9	
			6.0 m	94.522.6090.9		94.522.6093.9		94.522.6094.9	
			7.0 m	94.522.7090.9		94.522.7093.9		94.522.7094.9	
			8.0 m	94.522.8090.9		94.522.8093.9		94.522.8094.9	

	Type	EST 2i4 FS BS ...L	EST 2i4 FS B ...L	EST 2i4 FS S ...L
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¹⁾ Other lengths available on request
²⁾ Modified sheath strip or insulation strip lengths available on request

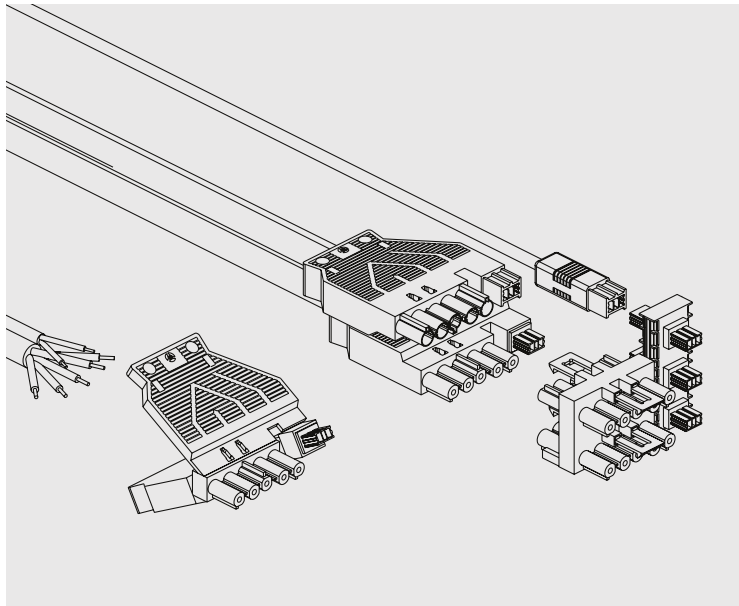


EST 2i5

5 pole mains

2 pole EIB bus


Application example



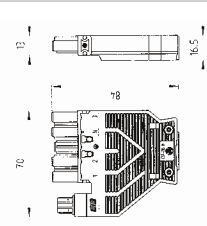

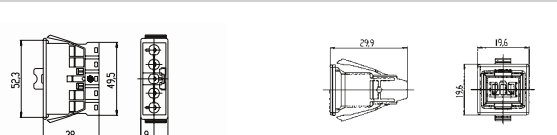


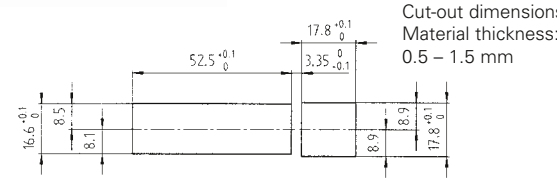
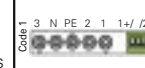
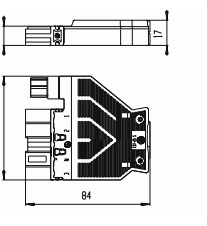

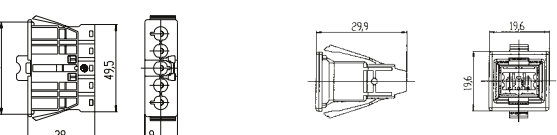


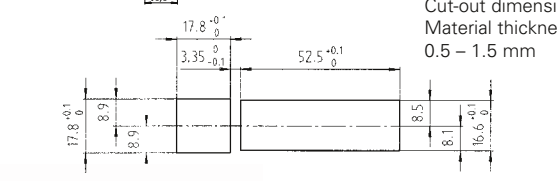

General

On the supply side, these connectors are designed with 5 poles and have the designation of 1, 2, PE, N, 3. The signal component is intended for the transfer of the EIB bus signal for mechanical coding "Code 1". It is also possible to lead dimming signals in parallel to the mains supply. The difference between the two mechanical codes lies in the signal component. Mechanical coding means that only associated pairs of male and female can be connected with the correct polarity. You therefore have the security of a clear segregation of different applications without having to redo any incorrect connections. The color of the connectors indicates the relevant links. If only one code differentiation is sufficient or required, you can choose between two code combinations within the codes. These connectors are then mutually compatible.

Coding

					Application	Combination mains 5 pole, EIB 2 pole	
					Mechanical coding	Code 1 	
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black/green	white/green	
Connector	Combined connector	Spring/Screw	yes	1		available on request	
Snap in	For material thickness: 0.5 – 1.5 mm	Spring		1			
Solder conn.	90°	Solder pins		1			
Comb. distribution block	1 input 3 outputs Mains 5 pole 1 input 5 outputs EIB						
Cable assemblies	Male – Free end	pre-assembled	pre-assembled	pre-assembled			
	Female – Free end						
	Male – Female						

EST 2i5 2 pole 50 V, 3 A – 5 pole 250/400 V, 16 A

			Combined connector		Snap-in, spring-loaded			
Combined connector for 5 pole mains and EIB bus			Mains: 5 pole, GST18i5 coding screw connection 2.5 mm ² , solid and fine-stranded Bus: 2 pole, BST 14i2 coding, spring-loaded connection 0.25 – 0.75 mm ² , solid and fine-stranded unassembled with strain relief for twin cables LiYY, H05VV or NYM and bus cable Ø 5.5 – 6.5 mm Sheath strip length Insulation strip length Mains: 48 mm 7 mm Bus: 30 mm 9 mm		Mains: Panel mounting ¹⁾ GST 18i5 coding, 2 screwless connections per pole, fine-stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ² Bus: panel mounting ¹⁾ BST14i2 coding for solid and fine-stranded cables 0.25 – 0.75 mm ² with locking device			
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Female connector EIB bus connector <ul style="list-style-type: none"> – requirements according to the EIB manual – intended for connectable EIB applications – denoted by a green contact area for EIB Bus – coding according to EIB standards 			 		   <p>Cut-out dimensions Material thickness: 0.5 – 1.5 mm</p> 			
Combination of 5 pole mains + 2 pole EIB bus		black/green	93.551.0553.1	50	92.051.9658.1	100	93.421.0353.1	100
Type			EST 2i5FS B1 Z		GST 18i5F B2 R		BST 14i2F B1 R	
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Male connector			 		   <p>Cut-out dimensions Material thickness: 0.5 – 1.5 mm</p> 			
Combination of 5 pole mains + 2 pole EIB bus		black/green	93.552.0553.1	50	92.052.9658.1	100	93.422.0353.1	100
Type			EST 2i5FS S1 Z		GST 18i5F S2 R		BST 14i2F S1 R	
All products are compatible with the connection of individual components					¹⁾ Panel material, deburring and coating thickness may influence the cut-out dimensions. Detailed installation instructions are available on request. ²⁾ See "Accessories" for ferrules and clamping tools			

Extension cable¹⁾

5 pole mains Connection cable

2 pole EIB bus Connection cable

		Mains – EIB bus Female – Male	Mains – EIB bus Female – Free end with ferrules ⁴⁾	Mains – EIB bus Male – Free end with ferrules ⁴⁾
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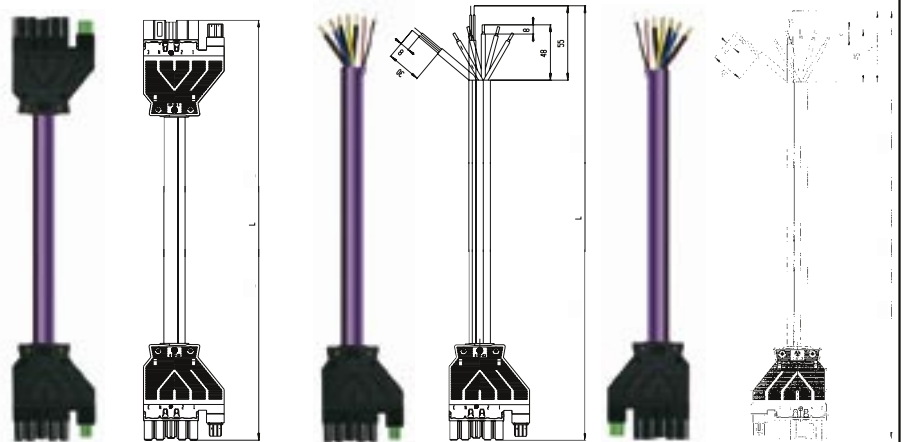
Pre-assembled twin cables

for mains and EIB bus

Twin cable for mains: 5 x 2.5 mm² fine-stranded
EIB bus: 1 x 2 x 0.8 PIMF solid
Cable: LiYY ²⁾ 5 x 2.5 mm², Color: purple



PE = gn/yl 1 + = rd
N = bl 2 - = sw
1 = br
2 = bk
3 = gr



Application	Coding	Color	Length ³⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination of 5 pole + 2 pole mains	Cable 1 Female 3 N PE 2 1 1+/ 2- Male 2+/ 1+ 1 2 PE N 3	black/green	1.0 m	94.553.1000.7	20	94.553.1003.7	20	94.553.1004.7	20
			2.0 m	94.553.2000.7	10	94.553.2003.7	10	94.553.2004.7	10
			3.0 m	94.553.3000.7	8	94.553.3003.7	8	94.553.3004.7	8
			4.0 m	94.553.4000.7	5	94.553.4003.7	5	94.553.4004.7	5
			5.0 m	94.553.5000.7	5	94.553.5003.7	5	94.553.5004.7	5
			6.0 m	94.553.6000.7	4	94.553.6003.7	4	94.553.6004.7	4
			7.0 m	94.553.7000.7	4	94.553.7003.7	4	94.553.7004.7	4
			8.0 m	94.553.8000.7	3	94.553.8003.7	3	94.553.8004.7	3

Type

EST 2i5FKSBS

EST 2i5FKSB

EST 2i5FKS-S

¹⁾ 5 pole cables with phase rotation available on request
²⁾ Halogen free version available on request
³⁾ Other lengths available on request
⁴⁾ Modification of the sheath/insulation strip lengths available on request



EST 2i5 2 pole 50 V, 3 A – 5 pole 250/400 V, 16 A

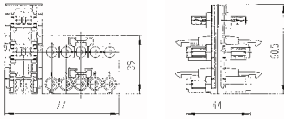
Combined distribution block

with locking device

Mains: 5 pole, GST 18i5 coding, black,
1 input (male connector),
3 outputs (female connector)

Bus: 2 pole, BST 14i2 coding, green,
1 input (male connector),
5 outputs (female connector)

Part No. Std. Pack



93.550.0053.1 25

EST 2i5V8P2

Sample kit

for EST 2i5

Part No. Std. Pack



Contents:

Cable assembly,
Male – Free end
94.553.XY04.7
sample length

Combined connector,
female connector
93.551.0553.1

BST 14i2 Snap-in male connector
93.422.0353.1
GST 18i5 Snap-in male connector
92.052.9658.1

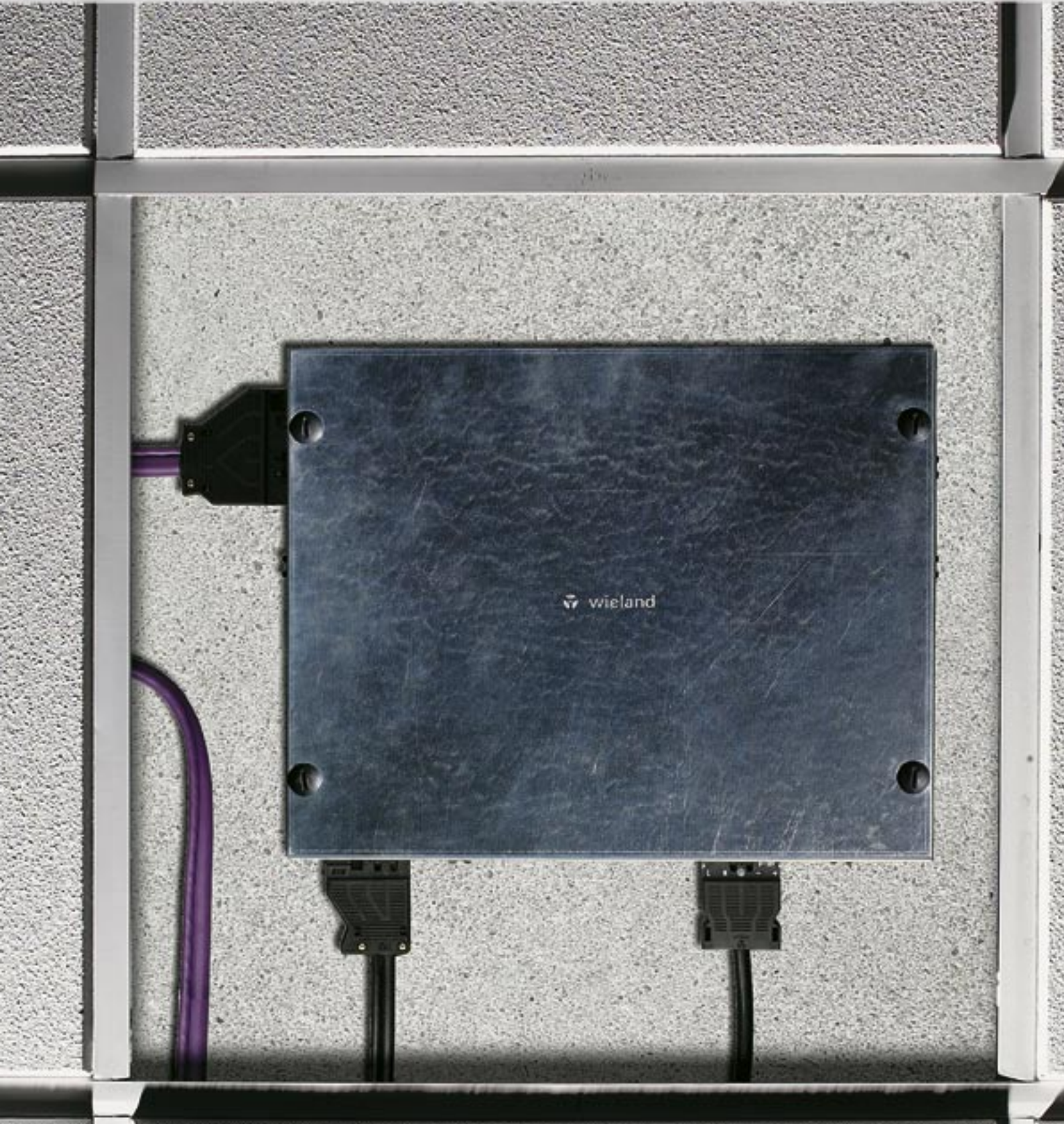
99.474.0000.0 1

EST 2i5

5 pole mains

2 pole EIB bus

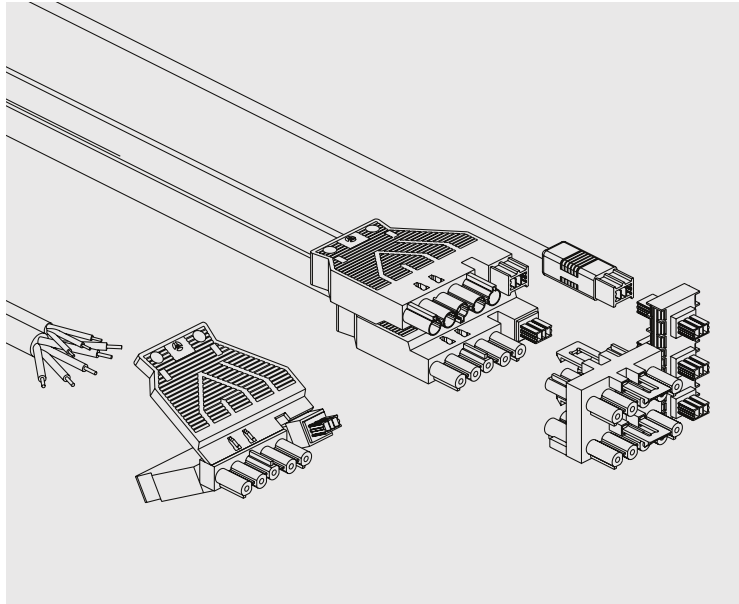




EST 3i5

5 pole mains 2 pole signal + screen

Application example

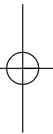


General

On the supply side, these connectors are designed with 5 poles and have the designation of 1, 2, PE, N, 3. The connection component for the transfer of bus/control signals is mounted in parallel. Mechanical coding ensures that only male and female connectors of the same code can be connected with the correct polarity. You therefore have the security that you cannot mistake these connectors for those of other applications and you thus have a clear segregation of different applications.

The color of the connectors indicates the relevant usage.

All the color combinations within a mechanical code can be connected together.



Coding

					Application	Combination mains 5 pole, bus/control signals 3 pole	
					Mechanical coding	Code 1	
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black	white	
Connector	Combined connector	Spring/Screw	yes	1			
Snap in	For material thickness: 0.5 – 1.5 mm	Spring		1			
Solder conn.	90°	Solder pins		1			
Comb. distribution block	1 input 3 outputs Mains 5 pole, 1 input 5 outputs Bus/control signals						
Cable assemblies	Male – Free end	pre-assembled	pre-assembled	pre-assembled			
	Female – Free end						
	Male – Female						

available on request

EST 3i5 3 pole 50 V, 3 A – 5 pole 250/400 V, 16 A

			Combined connector		Snap-in, spring-loaded			
Combined connector for mains (5 pole) and control signals (3 pole)			Mains: 5 pole, GST18i5 coding screw connection 1.5 – 2.5 mm ² solid and fine-stranded Signal: 3 pole, BST 14i3 coding. Spring-loaded connection 0.25 – 0.75 mm ² solid and fine-stranded, unassembled with strain relief for twin cables LiYY, H05VV or NYM and control cables Ø 5.5 – 6.5 mm Sheath strip length Insulation strip length Mains: 48 mm 7 mm Signal: 30 mm 9 mm		Mains: Panel mounting ¹⁾ , 3 pole, GST 18i3 coding 2 screwless , connections per pole, fine-stranded cable 0.5 – 1.5 mm ² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm ² Signal: Panel mounting ¹⁾ , 3 pole, BST 14i3 coding, 1 connection per pole, for solid and fine-stranded cables 0.25 – 0.75 mm			
Application	Coding	Color	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Female connector			Female connector		Female connector		Female connector	
			Cut-out dimensions Material thickness: 0.5 – 1.5 mm					
Combination 5 pole mains + 2 pole bus/control signals + screen	Coding 1 	black	93.561.2553.1	50	92.051.9658.1	100	93.431.2353.1	100
Male connector			Male connector		Male connector		Male connector	
			Cut-out dimensions Material thickness: 0.5 – 1.5 mm					
Combination of 5 pole mains 2 pole bus/control signals + screen	Coding 1 	black	93.562.2553.1	50	92.052.9658.1	100	93.432.2353.1	100
Type			EST 3i5FS S1 Z		GST 18i5F S2 RV		BST 14i3F S1 R	
Combined connectors will connect to individual components								

¹⁾ Panel material, deburring and coating thickness can influence cut-out dimension. Detailed installation instructions are available on request.

²⁾ See "Accessories" for ferrules and clamping tools

Extension cable

5 pole mains Connection cable

2 pole signal + screen Connection cable

		Female – Male	Female – Free end with ferrules⁵⁾	Male – Free end with ferrules⁵⁾
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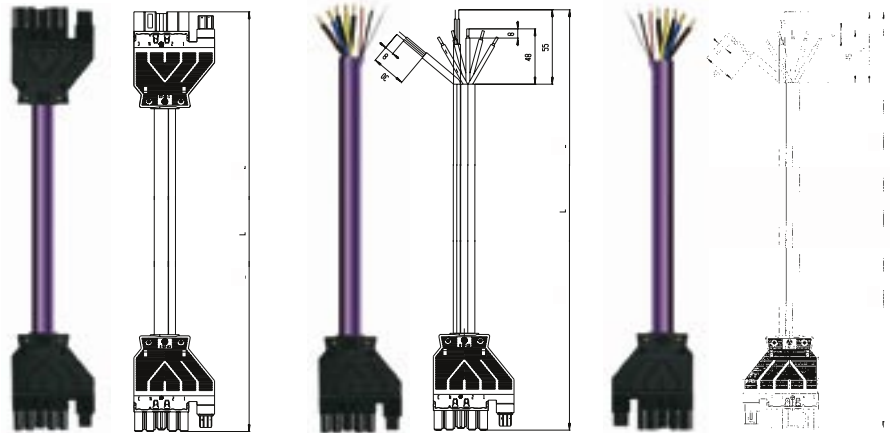
Cable assemblies for mains and control signals

Twin cable for mains: 5 x 2.5 mm² fine-stranded
 Control signal: 1 x 2 x 0.8 PIMF solid
 Type: LiYY³⁾, Color: purple



new

PE = gn/gb 1+ = rt
 N = bl 2- = sw
 1 = br
 2 = sw
 3 = gr



Application	Coding	Color	Length ⁴⁾	Part No.	Std. Pack	Part No.	Std. Pack	Part No.	Std. Pack
Combination 5 pole mains 2 pole bus/control signals + screen	Female 3 N PE 2 1 1+ / 2- Male 2 / 1+ 1 2 PE N 3	black	1.0 m	94.563.1000.1	20	94.563.1003.1	20	94.563.1004.1	20
			2.0 m	94.563.2000.1	10	94.563.2003.1	10	94.563.2004.1	20
			3.0 m	94.563.3000.1	8	94.563.3003.1	8	94.563.3004.1	8
			4.0 m	94.563.4000.1	5	94.563.4003.1	5	94.563.4004.1	5
			5.0 m	94.563.5000.1	5	94.563.5003.1	5	94.563.5004.1	5
			6.0 m	94.563.6000.1	4	94.563.6003.1	4	94.563.6004.1	4
			7.0 m	94.563.7000.1	4	94.563.7003.1	4	94.563.7004.1	4
			8.0 m	94.563.8000.1	3	94.563.8003.1	3	94.563.8004.1	3

Type

EST 3i5FKSBS

EST 3i5FKSB-

EST 3i5FKS-S

Rated voltage:

Mains
250/400 V

Signal
50 V

Rated current:

16 A

3 A

Wire range:

2.5 mm²

0.5 mm²

Number of poles:

5 pole

2 pole + screen

Cable:

e.g. twin cable LiYY..., halogen-free available on request

³⁾ Halogen-free version available

⁴⁾ Other lengths available on request

⁵⁾ Modification of the sheath/insulation strip lengths available on request



EST 3i5 3 pole 50 V, 3 A – 5 pole 250/400 V, 16 A

Combined distribution block

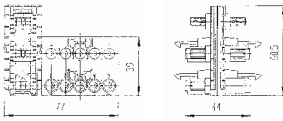
with locking device

Mains: 5 pole, coding GST 18i5,
1 input (male connector),
3 outputs (female connectors)

Signal: 3 pole, coding BST 14i3,
1 input (male connector),
5 outputs (female connector)

Part No. Std. Pack

Combined distribution block



93.560.2053.1

EST 3i5V 8P2

Sample kit

EST 3i5

Part No. Std. Pack



Contents:

Cable assembly,
Male – Free end
94.563.XY04.7
sample length

Spring-loaded connector,
female
93.561.2553.1

BST 14i3 Snap-in connector
93.432.2353.1

GST 18i5 Snap-in connector
92.052.9658.1

99.476.0000.0 1

EST 3i5

5 pole mains 2 pole signal + screen

