



Commerzbank, Frankfurt



Platz-Haus, Saulgau



Petronas Towers, Kuala Lumpur



Meyer Shipyard, Papenburg



Police headquarters, Hamburg

The connectable electrical installation

gesis[®]

"Electrical installation – past and present"

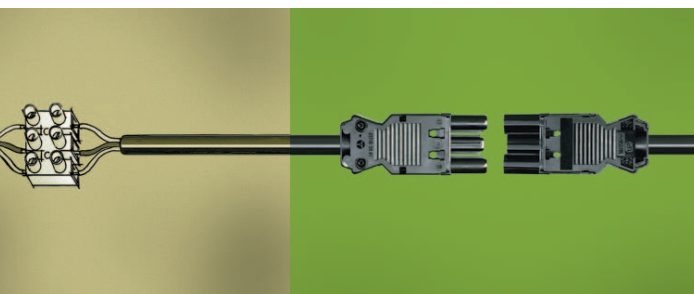
In the past, each individual connection in the electrical installation had to be wired via terminals and required lengthy and painstaking attention to detail. This took an enormous amount of time and involved considerable costs – without taking into account the numerous sources of error and potentially extensive reworking.

This all changed with the introduction of the **gesis** connector system which revolutionised electrical installations. Prefabricated components simply need to be plugged together – time-consuming tasks such as cutting cables to length, stripping the insulation and

connecting individual elements to the terminals are no longer required. Only a few operations and the power, bus or signal connections remain: reliable, error-free, clear and in a fraction of the time required for conventional wiring. There is also a considerable cost reduction as a result.

One system, only a few components and unlimited possibilities – these are the essential features of **gesis**. Everything can be universally connected from the distribution board to the load, thus opening up a new dimension. This is exemplified by two buildings in particular: the Commerzbank in

Frankfurt, currently the highest office building in Europe and the Petronas Towers in Kuala Lumpur which is the highest building in the world to date. Both of these buildings are equipped with **gesis**.



Yesterday

Today

If you require further information about the **gesis** connector system in practice and its applications, simply request your complete **gesis** manual which includes a CD.



Page 10	GST 18i3 3 pole mains	
Page 26	GST 18i4 4 pole mains	
Page 34	GST 18i5 5 pole mains	
Page 46	GST 18i6 (3+1) pole mains/ emergency power 2 pole dimming	
Page 50	BST 14i2 EIB Bus 2 pole dimming	
Page 56	EST 2i3 3 pole mains 2 pole EIB Bus	
Page 62	EST 2i5 5 pole mains 2 pole EIB Bus	
Page 68	BST 14i3 3 pole signal	
Page 74	EST 3i3 3 pole mains 2 pole signal + screen	
Page 80	EST 3i5 5 pole mains 2 pole signal + screen	
Page 86	Flat cable system, 5 pole 5 pole mains	
Page 92	Flat cable system, 2 pole 2 pole EIB Bus/ control signals	
Page 98	Flat cable system, 7 pole 5 pole mains 2 pole EIB Bus/ control signals	
Page 108	ST 16 2 pole low voltage	
Page 112	ST 17 2 pole low voltage	
Page 118	gesis EIB switching devices EIB-V • EIB-M • EIB-M2	
Page 150	Country specific products E	
Page 154	Country specific products F	
Page 164	Country specific products GB	
Page 190	Country specific products I	
Page 198	Distribution units	
Page 204	Accessories	
Page 206	Technical data	

GST 18

The components of the GST 18 product range which have been certified according to DIN VDE 0628 are suitable for the installation of lighting systems, switches and sockets. They are available in three, four, five and six pole versions and are designed for 250 V or 250/400 V, 16 A.

BST / EST

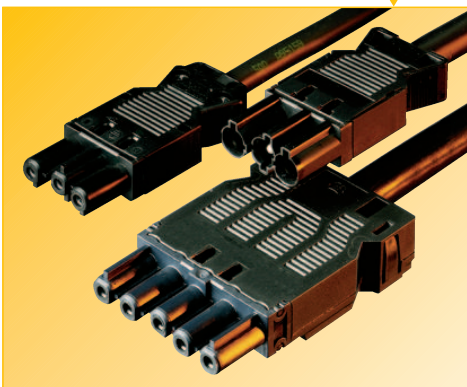
Three ranges are available for the transfer of two pole EIB Bus signals. Depending on the requirements, you can choose between the pure bus connector BST or the combination connectors of the EST range. These twin connectors prove extremely practical wherever power and signals are needed equally.

Products of this range are characterised by green EIB coding systems.

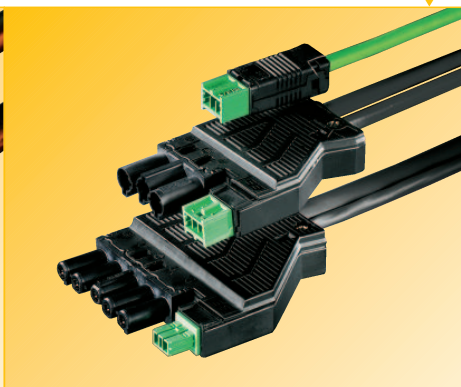
Flat cable systems

The flat cable technology can probably be regarded as a revolution in the field of electrical installation. The basis of the flat ribbon cable whose sheath houses five isolated conductors for power distribution as well as a two pole, screened signal cable, all led in parallel. If only one version is required, the flat cables are also available separately.

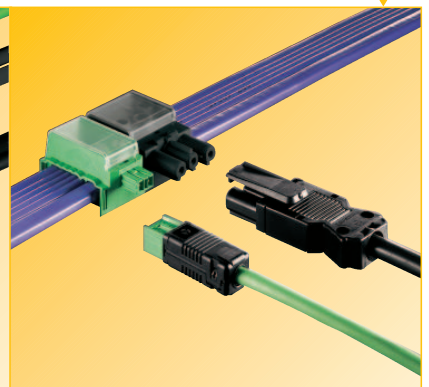
Components with 2, 3, 4, 5 and 6 poles



Combination connector for energy and signals



Connection to the flexible busbar



One variant – which is not mechanically segregated – takes over the transfer of bus, control or loudspeaker signals.

Contact is established using insulation-piercing technology and can take place at any point on the main phase. It is possible to connect to the required product range without interrupting the cable.

Low voltage systems

The system also extends to low voltage technology. It is possible to change over directly to the two different low voltage ranges, ST 16 and ST 17, via connectable, electronic transformers.

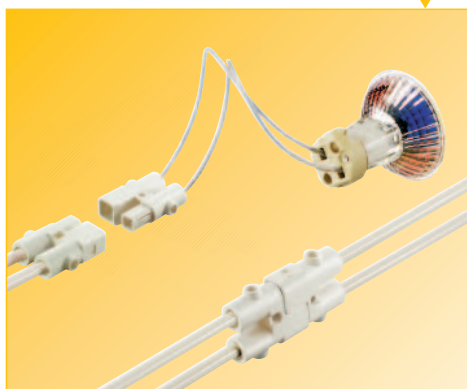
EIB-Systems

Distributed EIB switching devices can be integrated as required in the installation. They are of course connectable. There are two basic types of EIB switching devices: EIB V which are characterised by their flat and compact design and EIB M which is a solution composed of individual modules which offers a high level of flexibility.

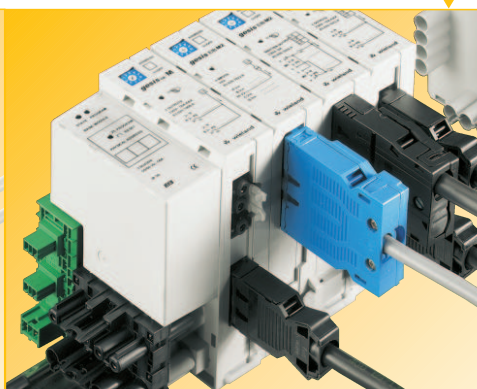
Terminal boxes

Terminal boxes offer an individual solution for installations. They are made from galvanised sheet steel and fitted with TS 35 mounting rails. They can hold terminals as well as DIN rail mounted devices in any structure. The interface to the terminal units takes place via the **gesis** connector system.

Connectable low voltage systems



Distributed EIB switching devices can be integrated



Terminal boxes



"Goes into the ceiling"

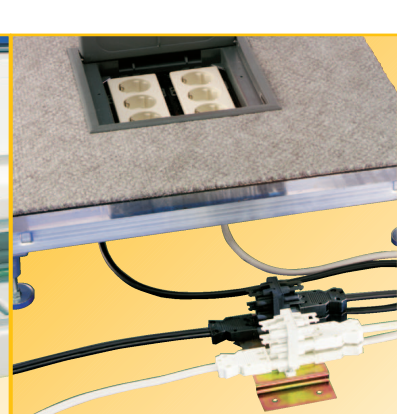
One benefit of **gesis** which is becoming increasingly noticeable in daily practice is the extremely compact design of the devices and the resulting small amount of room required. This enables a simple and efficient wiring process on all levels. An example of this is suspended ceilings which offer an ideal space for installations with **gesis**.

"Always along the wall"

Space-saving solutions are demanded in cable trunking. **gesis** is ideal in these situations. Due to the small dimensions of the individual components, the connector system can be used without any limitations and can also save time. In the short term, you create connections exactly where they are required: you then simply need to attach sockets, switches or shutter control systems.

"The bus is rolling"

Building installation systems and decentralised control are standard nowadays in modern functional buildings. This can be carried out practically and economically with the European Installation Bus (EIB). Monitoring, control and measuring functions can be distributed and information can be exchanged via a single cable.



Even complex lighting systems can be assembled locally and simply plugged in using prefabricated luminaires which are already offered as standard by numerous manufacturers. Electricians and builders no longer need to be on site at the same time since connection errors can be ruled out due to the optimum level of safety provided by **gesis**.

Even an adaptation to include new supply requirements can be carried out without any problems.

"Insert into the floor"

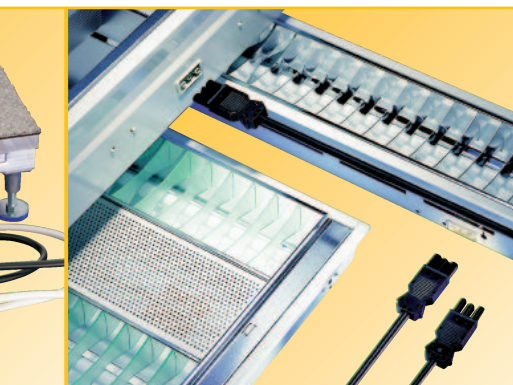
gesis enables clear and flexible cable management even when wiring in raised access floors. The installation runs freely in the floor voids but also has a structure. Even complex installations only need to be plugged in, together with distribution boards or branch circuits. Power is fed invisibly to the respective areas and only connected to underfloor mains sockets inserts which have been pre-assembled by the manufacturer.

A convenient installation structure can be efficiently created using the connectable **gesis** system. With **gesis** EIB, an intelligent device concept which is EIB compliant, **gesis** goes one step further. A truly distributed bus system is realised from the sensor to the actuator. It also integrates components which do not have a direct bus interface.

The new generation of switching devices, **gesis** EIB M2, considerably

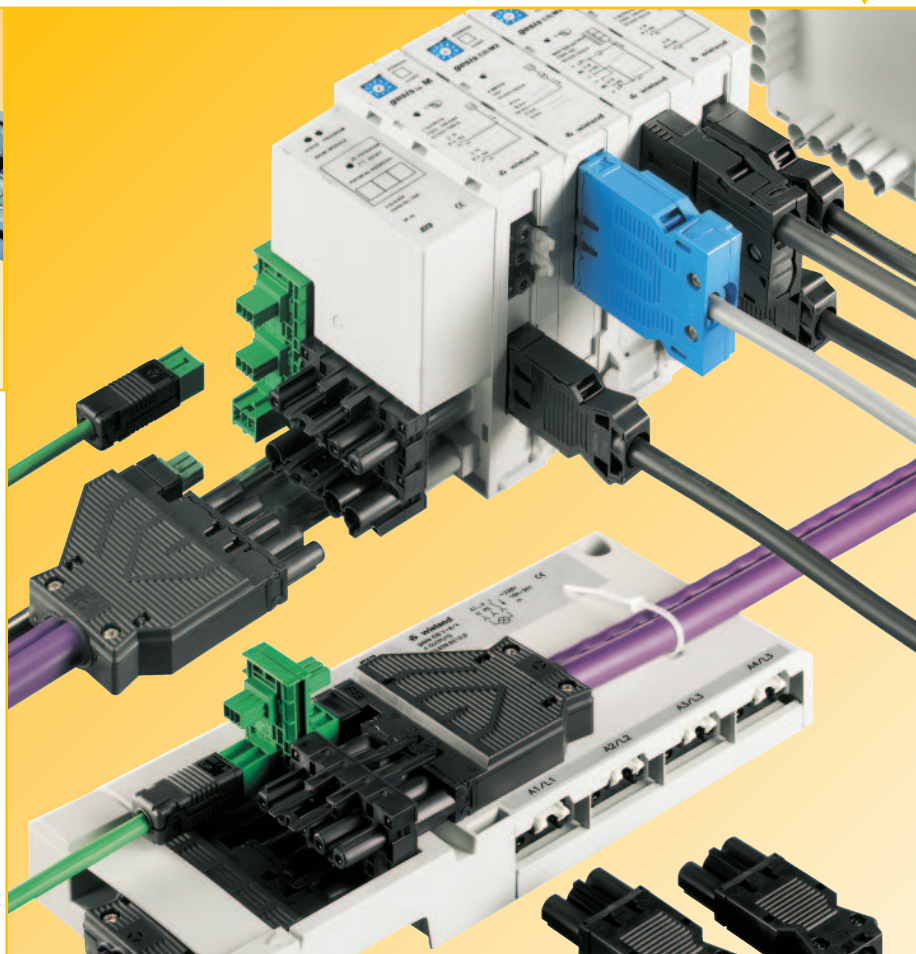
increases the already high level of flexibility. Depending on requirements, up to six extension modules can be connected to a basic module. It is possible to select freely between 4 fold inputs 24 V DC or 230 V AC, 2 fold switch outputs, shutter outputs and switch/dimming outputs. For example, two offices each with a shutter, two lighting circuits and conventional push buttons, can be fully equipped with EIB using only one EIB device.

The flat device range, **gesis** EIB V, is extremely flexible and can be directly mounted onto the 7 pole flat cable system. This flat cable consists of five isolated conductors for power distribution as well as a parallel, 2 pole bus cable. Contact is established using insulation piercing technology and can take place at any point on the cable. Bus and power for the EIB V switching devices are drawn via a plug-in adapter.



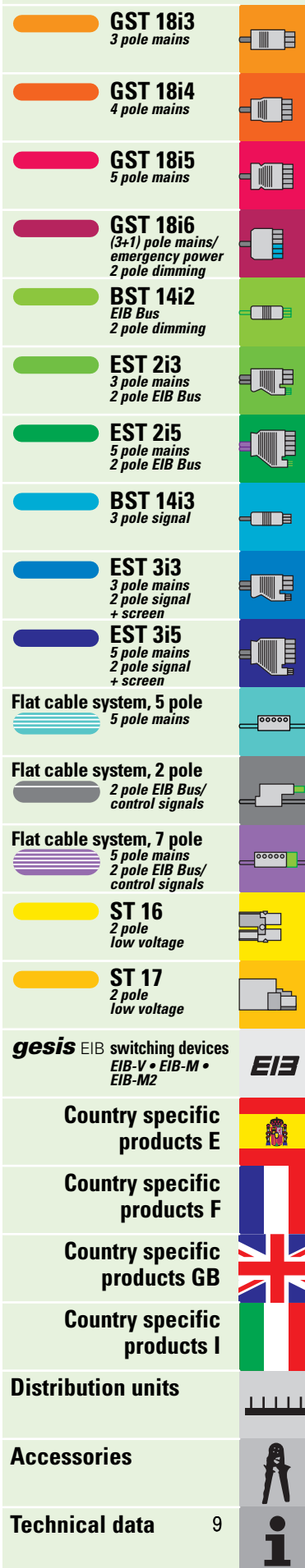
"A shining example"

The industry increasingly recognises the enormous benefits provided by **gesis**. Renowned lighting manufacturers for example, have been producing luminaires for some time with an integrated **gesis** connector.





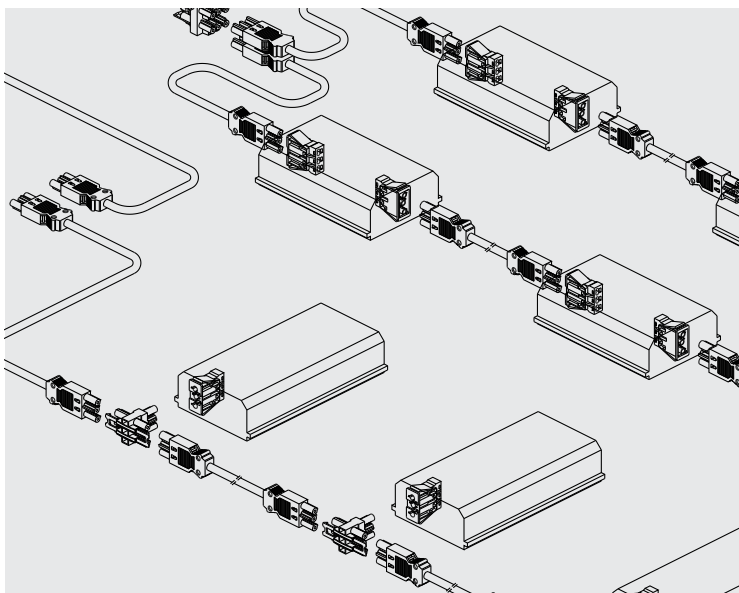
The components







Application example



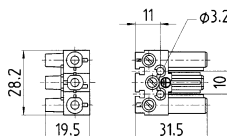
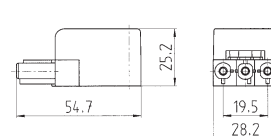
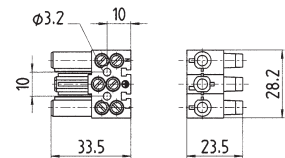
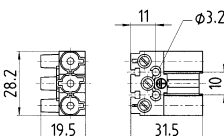
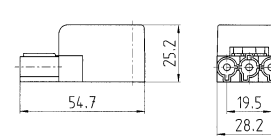
General

It is possible to choose between a total of 4 mechanical codes, depending on whether your application requires an earthing contact or not. Mechanical coding means that only associated pairs of male and female connectors can be connected and with the correct polarity. You therefore have the security of a clear segregation of different applications without having to remake any incorrect connections. The colour of the connectors indicates the relevant links. If only one code differentiation is sufficient or required, you can choose between various colours within Code 1. These connectors are then mutually compatible.

Coding

					Application	Mains with earth						Switching-applications without earth conn.
					Mechanical coding	Code 1		Code 2	Code 3	Code 4		
												
Name	Description	Connection style	Strain relief housing	Conn. points per pole	black	white	coral red	pebble grey	light red	brown		
Connector	Standard	Screw	no	1								
				2								
			yes	1								
				2								
Snap in	Flat design	Spring	yes	2								
	For material thickness: 0.5 – 1.5 mm	Spring		2								
	Screw	1										
Solder connection	For material thickness: 1.5 – 2.5 mm	Spring		2								
	Vertical	Solder pins		1								
Distributor	90°	Solder pins		1								
	1 input	preassembled	preassembled	preassembled								
	3 outputs											
	1 input											
	5 outputs											
1 input												
Prefabricated cables	2 outputs T-shaped	preassembled	preassembled	preassembled								
	Junction box with optional components											
	Lighting connections											
	Male conn.– free end											
	Female conn.– free end											
Prefabricated cables	Male conn.– female conn.	preassembled	preassembled	preassembled								
	Fem. conn.– conn. f. non-heat. appliances											
	Fem. conn. – elbow plug											

GST 18i 3 pole 250 V, 16 A

			Screw connection		Screw connection		Screw connection, double	
			without strain relief for 0.5 – 2.5 mm ² cables single core, finely stranded, lockable** screws into housing*)		For cross sections of 1.5 – 2.5 mm ² , single core, finely stranded, one connection per pole full assembled with strain relief , for H05VV, NYM ¹⁾ cables (Ø 8.3 – 11.3 mm), lockable** Caution: A connection point is lost when this screw component is inserted into the distribution block. Sheath strip length: 35 mm Insulation strip length: 7 mm		without strain relief For 0.5 – 2.5 mm ² cables, 2 connections per pole, single core and finely stranded, screws into housing*)	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Female connector			 		 		 	
Mains with earth	Code 1		black	92.031.3258.1 200	99.400.5802.2 100	92.031.4453.1 200		
			white	92.031.3258.0 200	99.429.5807.6 100	92.031.4453.0 200		
	Code 2		pebble grey	92.031.3458.0 200	99.433.5802.2 100			
Switching applications	Code 3		light red	92.031.3658.0 200	99.434.5802.2 100			
	Code 4		brown	92.031.3858.0 200	99.436.5802.2 100			
Type			GST 18i3 S B1		GST 18i3 S B1 Z		GST 18i3 S B2	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty		
Male connector			 		 			
Mains with earth	Code 1		black	92.032.3358.1 200	99.403.5802.2 100			
			white	92.032.3358.0 200	99.470.5807.6 100			
	Code 2		pebble grey	92.032.3458.0 200	99.437.5802.2 100			
Switching applications	Code 3		light red	92.032.3658.0 200	99.438.5802.2 100	..		
	Code 4		brown	92.032.3858.0 200	99.440.5802.2 100			
Type			GST 18i3 S S1		GST 18i3 S S1 Z			
					¹⁾ other cable and cable cross-sections available on request			

12

Screw connection

Spring loaded connection

with strain relief

Female connector: suitable for the connection of 2 cables for looping through the main power supply, Complete with locking hoop.

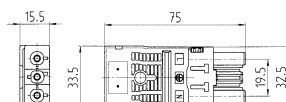
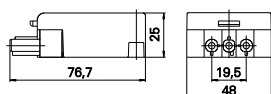
Male connector: suitable for connection of 1 cable as a plug-in complete with locking hook.

For rigid 1.5 – 2.5 mm² cables, finely stranded 1.5 mm² cables with ferrules²⁾, 2 connectors per pole, unassembled **with strain relief**, for H05VV, NYM¹⁾ cables (Ø 7.8 – 10.3 mm), lockable**

Sheath strip length: 45 mm
Insulation strip length 1.5 mm²: 8 mm
Insulation strip length 2.5 mm²: 9 mm

Part No. Box Qty

Part No. Box Qty



For cross-section of 2.5 mm², single core and finely stranded, **2 connections per pole**, unassembled with strain relief for **2 cables** H05VV, NYM¹⁾ (Ø 9.0 – 11.5 mm).



92.939.1053.1 100

92.933.0053.1 50
92.933.0053.0 50

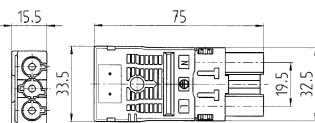
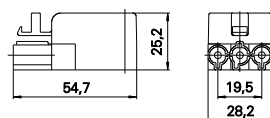
92.933.0153.0 50

GST 18i3 S B2 Z

GST 18i3 F B2 Z

Part No. Box Qty

Part No. Box Qty



For cross-section of 1.5 mm², single-core and finely stranded, **1 connection per pole**, unassembled with strain relief for H05VV, NYM¹⁾ cables (Ø 6.5 – 8.3 mm).



92.938.0158.1 200

92.934.0053.1 50
92.934.0053.0 50

92.934.0153.0 50

GST 18i3 S S1 NZR1V

GST 18i3 F S2 Z

¹⁾ other cable and cable cross-sections available on request

¹⁾ other cable and cable cross-sections available on request

²⁾ See "Accessories" for ferrules and clamping tools

- *) 1. When striking voltage occurs in a range between 3 and 5 kV, screws made out of insulating material should be used for mounting the connector to prevent flash over.
2. Exposed conductive material that is used for mounting must be earthed.
3. When attaching connector plates, self tapping screws with a maximum diameter of 3 mm may be used.
4. The distance between the fixing holes may not exceed a tolerance of ± 0.1 mm.
5. To avoid damaging the insulating material, self tapping screws may not be screwed into the fixing holes of the connector.

**) VDE 0628 requires the use of a locking device.

			Snap-in, Spring-loaded		Snap-in, Spring-loaded		Snap-in, screw connection	
			Material thickness: 0.5 – 1.5 mm Panel mounting ¹⁾ , 2 screwless connections per pole, finely stranded cable 0.5 – 1.5 mm² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm² with locking device Insulation strip length 0.5–1.5 mm²: 8 mm Insulation strip length 2.5 mm²: 9 mm		Material thickness: 1.5 – 2.5 mm Panel mounting ¹⁾ , 2 screwless connections per pole, finely stranded cable 0.5 – 1.5 mm² with ferrule ²⁾ , rigid cable 0.5 – 2.5 mm² with locking device Insulation strip length 0.5–1.5 mm²: 8 mm Insulation strip length 2.5 mm²: 9 mm		Material thickness: 0.5 – 1.5 mm Panel mounting ¹⁾ , 1 screw connection per pole, single core and finely stranded cable 0.5 – 2.5 mm², with locking device Insulation strip length 0.5–1.5 mm²: 8 mm Insulation strip length 2.5 mm²: 9 mm	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Female connector			 		 		 	
Mains with earth	Code 1	N PE L	black white	92.031.9658.1 100 92.031.9658.0 100	92.031.7658.1 100 92.031.7658.0 100	92.031.8758.1 100 92.031.8758.0 100		
	Code 2	N PE L	pebble grey	92.031.9758.0 100				
	Code 3	N PE L	light red	92.031.8558.0 100				
Switching applications	Code 4	3 2 1	brown	92.031.8458.0 100				
Type			GST 18i3 F B2 R		GST 18i3 F B2 REV		GST 18i3S B1 R	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Male connector			 Section of housing		 Section of housing		 Section of housing	
Mains with earth	Code 1	L PE N	black white	92.032.9658.1 100 92.032.9658.0 100	92.032.7658.1 100 92.032.7658.0 100	92.032.8758.1 100 92.032.8758.0 100		
	Code 2	L PE N	pebble grey	92.032.9758.0 100				
	Code 3	L PE N	light red	92.032.8558.0 100				
Switching applications	Code 4	1 2 3	brown	92.032.8458.0 100				
Type			GST 18i3 F S2 R		GST 18i3 F S2 REV		GST 18i3 S S1 R	
			¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request. ²⁾ See "Accessories" for ferrules and crimping tools		¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request. ²⁾ See "Accessories" for ferrules and crimping tools		¹⁾ Panel material deburring and coating thickness may influence the cut-out dimension. Detailed installation instructions available on request.	

14

GST 18i3

3 pole mains

Soldered connection, vertical

Can be soldered onto printed circuit board

- **vertical**
- with locating cams
- optional locking device**, fitted

See "Technical Data" for hole template for GST 18 soldered connector

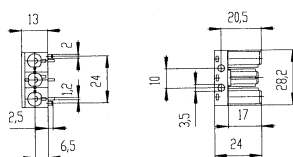
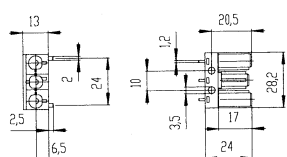
Soldered connection, horizontal

Can be soldered onto a printed circuit board

- **horizontal**
- with locating cams
- optional locking device**, fitted

See "Technical Data" for hole template for GST 18 soldered connector

Part No.	Box Qty	Part No.	Box Qty
----------	---------	----------	---------

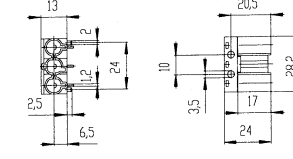
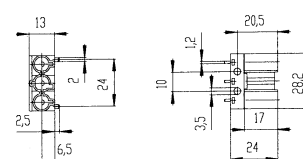


92.031.0058.1	100	92.033.0058.1	100
92.031.0058.0	100	92.033.0058.0	100

92.031.0158.0	100	92.033.0158.0	100
---------------	-----	---------------	-----

GST 18i3 L B1 V

Part No.	Box Qty	Part No.	Box Qty
----------	---------	----------	---------



92.032.0058.1	100	92.034.0058.1	100
92.032.0058.0	100	92.034.0058.0	100

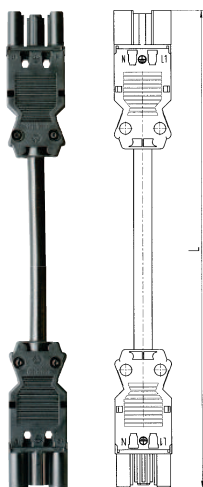
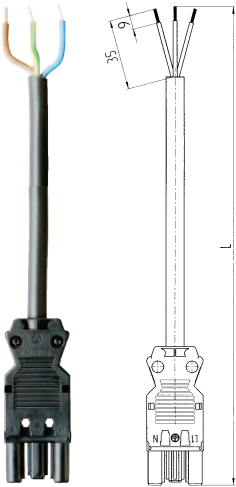
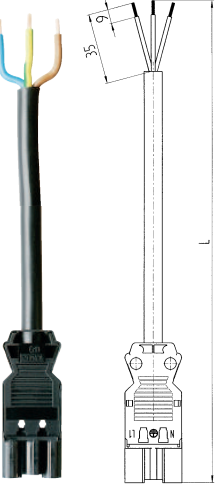
92.032.0158.0	100	92.034.0158.0	100
---------------	-----	---------------	-----

GST 18i3 L S1 V

GST 18i3 L S1 H

**) VDE 0628 requires the use of a locking device

GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead	
Cable: H05VV-F3G1.5/2.5 Insulation: with halogen (PVC)				3 x 1.5 mm² female – male		3 x 1.5 mm² female – free end with ultrasonically welded conductor ends ¹⁾		3 x 1.5 mm² male – free end with ultrasonically welded conductor ends ¹⁾	
Cable assemblies									
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1 Female  Male 	black	1.0 m	92.232.1000.1	75	92.232.1003.1	75	92.232.1004.1	75
			2.0 m	92.232.2000.1	40	92.232.2003.1	50	92.232.2004.1	50
			3.0 m	92.232.3000.1	25	92.232.3003.1	25	92.232.3004.1	25
			4.0 m	92.232.4000.1	25	92.232.4003.1	25	92.232.4004.1	25
		cable: black	5.0 m	92.232.5000.1	20	92.232.5003.1	20	92.232.5004.1	20
			6.0 m	92.232.6000.1	10	92.232.6003.1	10	92.232.6004.1	10
			7.0 m	92.232.7000.1	10	92.232.7003.1	10	92.232.7004.1	10
			8.0 m	92.232.8000.1	10	92.232.8003.1	10	92.232.8004.1	10
	Code 2 Female  Male 	white	1.0 m	92.232.1000.2	75	92.232.1003.2	75	92.232.1004.2	75
			2.0 m	92.232.2000.2	40	92.232.2003.2	50	92.232.2004.2	50
			3.0 m	92.232.3000.2	25	92.232.3003.2	25	92.232.3004.2	25
			4.0 m	92.232.4000.2	25	92.232.4003.2	25	92.232.4004.2	25
		cable: white	5.0 m	92.232.5000.2	20	92.232.5003.2	20	92.232.5004.2	20
			6.0 m	92.232.6000.2	10	92.232.6003.2	10	92.232.6004.2	10
			7.0 m	92.232.7000.2	10	92.232.7003.2	10	92.232.7004.2	10
			8.0 m	92.232.8000.2	10	92.232.8003.2	10	92.232.8004.2	10
	Code 3 Female  Male 	grey	1.0 m	92.232.1000.3	75	92.232.1003.3	75	92.232.1004.3	75
			2.0 m	92.232.2000.3	40	92.232.2003.3	50	92.232.2004.3	50
			3.0 m	92.232.3000.3	25	92.232.3003.3	25	92.232.3004.3	25
			4.0 m	92.232.4000.3	25	92.232.4003.3	25	92.232.4004.3	25
		cable: black	5.0 m	92.232.5000.3	20	92.232.5003.3	20	92.232.5004.3	20
			6.0 m	92.232.6000.3	10	92.232.6003.3	10	92.232.6004.3	10
			7.0 m	92.232.7000.3	10	92.232.7003.3	10	92.232.7004.3	10
			8.0 m	92.232.8000.3	10	92.232.8003.3	10	92.232.8004.3	10
		light red	1.0 m	92.232.1000.5	75	92.232.1003.5	75	92.232.1004.5	75
			2.0 m	92.232.2000.5	40	92.232.2003.5	50	92.232.2004.5	50
			3.0 m	92.232.3000.5	25	92.232.3003.5	25	92.232.3004.5	25
			4.0 m	92.232.4000.5	25	92.232.4003.5	25	92.232.4004.5	25
		cable: black	5.0 m	92.232.5000.5	20	92.232.5003.5	20	92.232.5004.5	20
			6.0 m	92.232.6000.5	10	92.232.6003.5	10	92.232.6004.5	10
			7.0 m	92.232.7000.5	10	92.232.7003.5	10	92.232.7004.5	10
			8.0 m	92.232.8000.5	10	92.232.8003.5	10	92.232.8004.5	10



Extender lead

Starter lead

Connection lead

3 x 2.5 mm²

female – male

3 x 2.5 mm²

female – free end

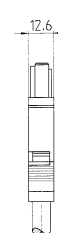
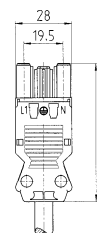
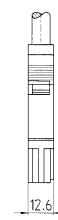
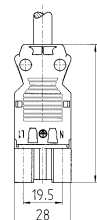
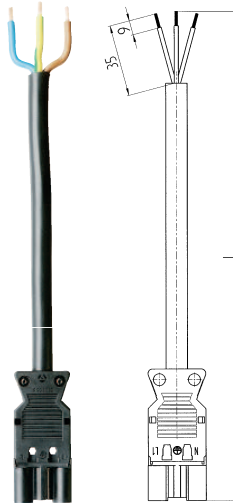
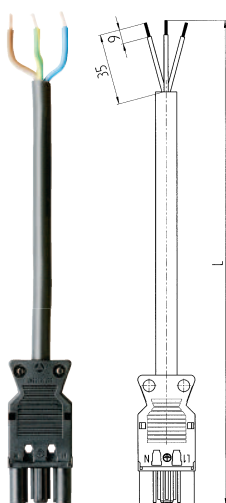
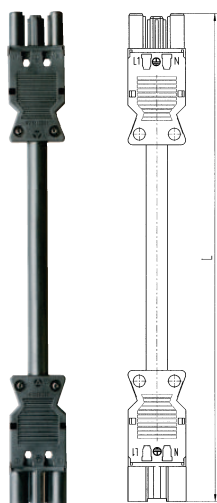
with ultrasonically welded
conductor ends¹⁾

3 x 2.5 mm²

male – free end

with ultrasonically welded
conductor ends¹⁾

Standard PVC cable Type H05VV-F3G2.5 Colour black

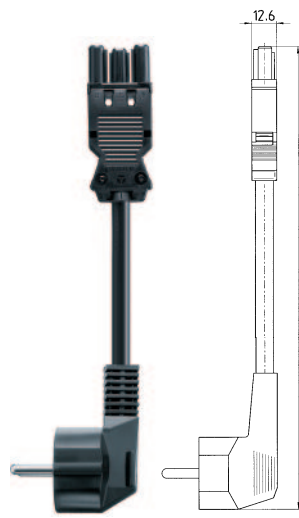
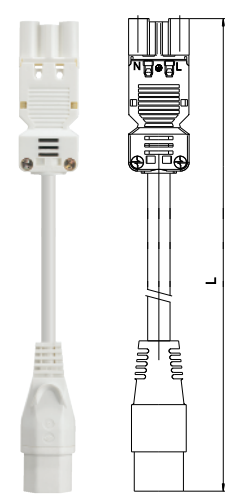


Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1000.1	50	92.238.1003.1	50	92.238.1004.1	50
2.0 m	92.238.2000.1	25	92.238.2003.1	25	92.238.2004.1	25
3.0 m	92.238.3000.1	20	92.238.3003.1	20	92.238.3004.1	20
4.0 m	92.238.4000.1	15	92.238.4003.1	15	92.238.4004.1	15
5.0 m	92.238.5000.1	10	92.238.5003.1	10	92.238.5004.1	10
6.0 m	92.238.6000.1	10	92.238.6003.1	10	92.238.6004.1	10
7.0 m	92.238.7000.1	5	92.238.7003.1	5	92.238.7004.1	5
8.0 m	92.238.8000.1	5	92.238.8003.1	5	92.238.8004.1	5
1.0 m	92.238.1000.2	50	92.238.1003.2	50	92.238.1004.2	50
2.0 m	92.238.2000.2	25	92.238.2003.2	25	92.238.2004.2	25
3.0 m	92.238.3000.2	20	92.238.3003.2	20	92.238.3004.2	20
4.0 m	92.238.4000.2	15	92.238.4003.2	15	92.238.4004.2	15
5.0 m	92.238.5000.2	10	92.238.5003.2	10	92.238.5004.2	10
6.0 m	92.238.6000.2	10	92.238.6003.2	10	92.238.6004.2	10
7.0 m	92.238.7000.2	5	92.238.7003.2	5	92.238.7004.2	5
8.0 m	92.238.8000.2	5	92.238.8003.2	5	92.238.8004.2	5
1.0 m	92.238.1000.3	50	92.238.1003.3	50	92.238.1004.3	50
2.0 m	92.238.2000.3	25	92.238.2003.3	25	92.238.2004.3	25
3.0 m	92.238.3000.3	20	92.238.3003.3	20	92.238.3004.3	20
4.0 m	92.238.4000.3	15	92.238.4003.3	15	92.238.4004.3	15
5.0 m	92.238.5000.3	10	92.238.5003.3	10	92.238.5004.3	10
6.0 m	92.238.6000.3	10	92.238.6003.3	10	92.238.6004.3	10
7.0 m	92.238.7000.3	5	92.238.7003.3	5	92.238.7004.3	5
8.0 m	92.238.8000.3	5	92.238.8003.3	5	92.238.8004.3	5
1.0 m	92.238.1000.5	50	92.238.1003.5	50	92.238.1004.5	50
2.0 m	92.238.2000.5	25	92.238.2003.5	25	92.238.2004.5	25
3.0 m	92.238.3000.5	20	92.238.3003.5	20	92.238.3004.5	20
4.0 m	92.238.4000.5	15	92.238.4003.5	15	92.238.4004.5	15
5.0 m	92.238.5000.5	10	92.238.5003.5	10	92.238.5004.5	10
6.0 m	92.238.6000.5	10	92.238.6003.5	10	92.238.6004.5	10
7.0 m	92.238.7000.5	5	92.238.7003.5	5	92.238.7004.5	5
8.0 m	92.238.8000.5	5	92.238.8003.5	5	92.238.8004.5	5

¹⁾ Modification of the sheath/insulation
strip lengths available on request

²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

				Starter lead		Connection lead					
Cable: H05VV-F3G1.5/1.0				3 x 1.5 mm ²		3 x 1.0 mm ²					
Insulation: with halogen (PVC)				female to angled plug according to DIN 49441		male to inlet connector for cooling devices					
Cable assemblies											
Standard Type H05VV-F3G1.5				Standard Type H05VV-F3G1.0							
Application	Coding	Colour	Length ¹⁾	Part No.	Box Qty	Length ¹⁾	Part No.	Box Qty			
Mains with earth	Code 1 Female  Male 	black	1.0 m	92.232.2007.1	40	1.0 m	99.400.5623.1	50			
			2.0 m			2.0 m					
			3.0 m			3.0 m					
			4.0 m			4.0 m					
			5.0 m			5.0 m					
			6.0 m			6.0 m					
		cable: black	7.0 m	92.232.3007.1	25	7.0 m					
			8.0 m			8.0 m					
			white			1.0 m			92.232.2007.2	40	1.0 m
						2.0 m					2.0 m
						3.0 m					3.0 m
						4.0 m					4.0 m
5.0 m	5.0 m										
6.0 m	6.0 m										
cable: white	7.0 m			7.0 m							
	8.0 m			8.0 m							

18

¹⁾ Only applies to connection cable with inlet connector for cooling devices

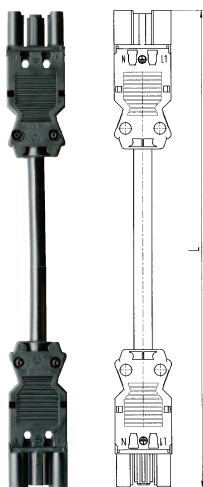
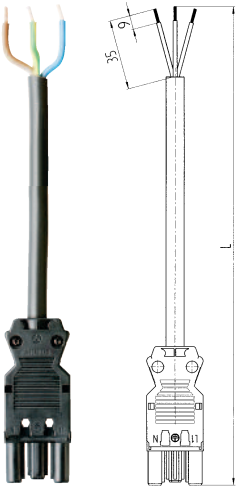
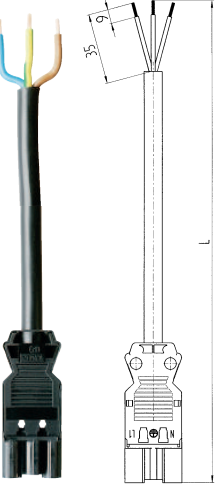
¹⁾ Only applies to connection cable with inlet connector for cooling devices

GST 18i3

3 pole mains



GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead	
Cable: S05VV-F3G1.5/2.5 Insulation: halogen-free				3 x 1.5 mm² female – male		3 x 1.5 mm² female – free end with ultrasonically welded conductor ends ¹⁾		3 x 1.5 mm² male – free end with ultrasonically welded conductor ends ¹⁾	
Cable assemblies				Colour black Standard Type S05VV-F3G1.5 					
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1 Female  Male 	black	1.0 m	92.232.1060.1	75	92.232.1063.1	75	92.232.1064.1	75
			2.0 m	92.232.2060.1	40	92.232.2063.1	50	92.232.2064.1	50
			3.0 m	92.232.3060.1	25	92.232.3063.1	25	92.232.3064.1	25
			4.0 m	92.232.4060.1	25	92.232.4063.1	25	92.232.4064.1	25
		cable: black	5.0 m	92.232.5060.1	20	92.232.5063.1	20	92.232.5064.1	20
			6.0 m	92.232.6060.1	10	92.232.6063.1	10	92.232.6064.1	10
			7.0 m	92.232.7060.1	10	92.232.7063.1	10	92.232.7064.1	10
			8.0 m	92.232.8060.1	10	92.232.8063.1	10	92.232.8064.1	10
	Code 2 Female  Male 	white	1.0 m	92.232.1060.2	75	92.232.1063.2	75	92.232.1064.2	75
			2.0 m	92.232.2060.2	40	92.232.2063.2	50	92.232.2064.2	50
			3.0 m	92.232.3060.2	25	92.232.3063.2	25	92.232.3064.2	25
			4.0 m	92.232.4060.2	25	92.232.4063.2	25	92.232.4064.2	25
		cable: white	5.0 m	92.232.5060.2	20	92.232.5063.2	20	92.232.5064.2	20
			6.0 m	92.232.6060.2	10	92.232.6063.2	10	92.232.6064.2	10
			7.0 m	92.232.7060.2	10	92.232.7063.2	10	92.232.7064.2	10
			8.0 m	92.232.8060.2	10	92.232.8063.2	10	92.232.8064.2	10
	Code 3 Female  Male 	grey	1.0 m	92.232.1060.3	75	92.232.1063.3	75	92.232.1064.3	75
			2.0 m	92.232.2060.3	40	92.232.2063.3	50	92.232.2064.3	50
			3.0 m	92.232.3060.3	25	92.232.3063.3	25	92.232.3064.3	25
			4.0 m	92.232.4060.3	25	92.232.4063.3	25	92.232.4064.3	25
		cable: black	5.0 m	92.232.5060.3	20	92.232.5063.3	20	92.232.5064.3	20
			6.0 m	92.232.6060.3	10	92.232.6063.3	10	92.232.6064.3	10
			7.0 m	92.232.7060.3	10	92.232.7063.3	10	92.232.7064.3	10
			8.0 m	92.232.8060.3	10	92.232.8063.3	10	92.232.8064.3	10
	Code 3 Female  Male 	light red	1.0 m	92.232.1060.5	75	92.232.1063.5	75	92.232.1064.5	75
			2.0 m	92.232.2060.5	40	92.232.2063.5	50	92.232.2064.5	50
			3.0 m	92.232.3060.5	25	92.232.3063.5	25	92.232.3064.5	25
			4.0 m	92.232.4060.5	25	92.232.4063.5	25	92.232.4064.5	25
		cable: black	5.0 m	92.232.5060.5	20	92.232.5063.5	20	92.232.5064.5	20
			6.0 m	92.232.6060.5	10	92.232.6063.5	10	92.232.6064.5	10
			7.0 m	92.232.7060.5	10	92.232.7063.5	10	92.232.7064.5	10
			8.0 m	92.232.8060.5	10	92.232.8063.5	10	92.232.8064.5	10



Extender lead

Starter lead

Connection lead

3 x 2.5 mm²

female – male

3 x 2.5 mm²

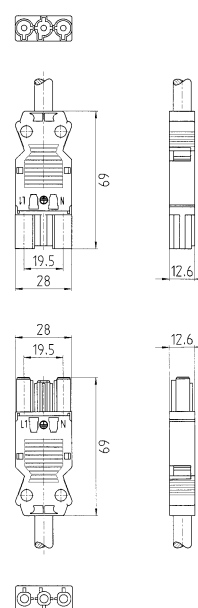
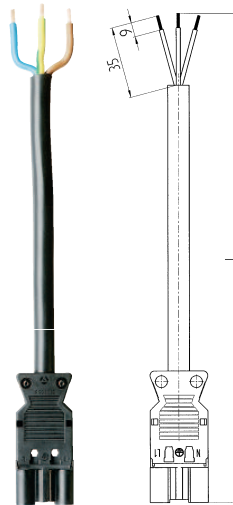
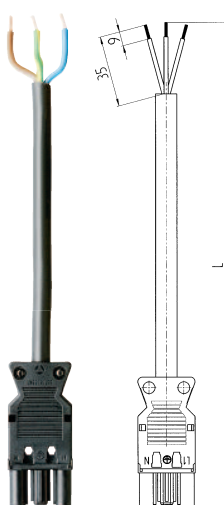
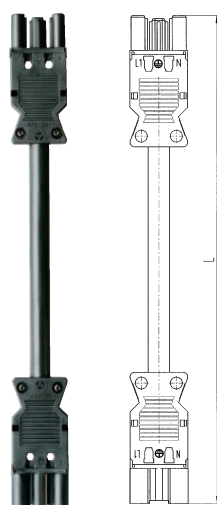
female – free end
with ultrasonically welded
conductor ends¹⁾

3 x 2.5 mm²

male – free end
with ultrasonically welded
conductor ends¹⁾

Colour black

Standard Type S05VV-F3G2.5



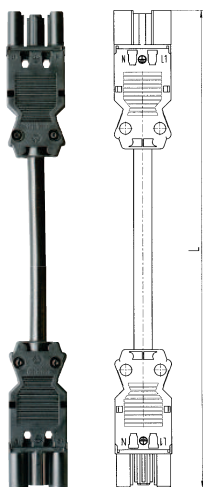
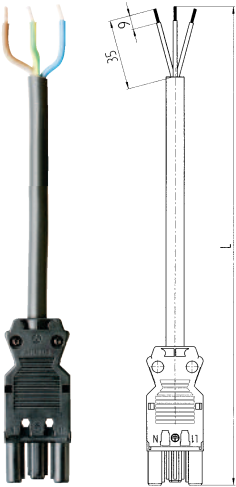
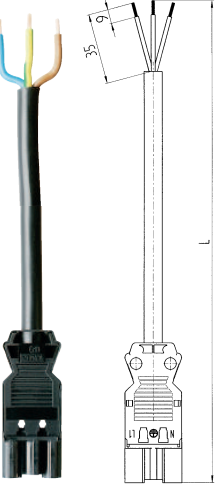
Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1060.1	50	92.238.1063.1	50	92.238.1064.1	50
2.0 m	92.238.2060.1	25	92.238.2063.1	25	92.238.2064.1	25
3.0 m	92.238.3060.1	20	92.238.3063.1	20	92.238.3064.1	20
4.0 m	92.238.4060.1	15	92.238.4063.1	15	92.238.4064.1	15
5.0 m	92.238.5060.1	10	92.238.5063.1	10	92.238.5064.1	10
6.0 m	92.238.6060.1	10	92.238.6063.1	10	92.238.6064.1	10
7.0 m	92.238.7060.1	5	92.238.7063.1	5	92.238.7064.1	5
8.0 m	92.238.8060.1	5	92.238.8063.1	5	92.238.8064.1	5
1.0 m	92.238.1060.2	50	92.238.1063.2	50	92.238.1064.2	50
2.0 m	92.238.2060.2	25	92.238.2063.2	25	92.238.2064.2	25
3.0 m	92.238.3060.2	20	92.238.3063.2	20	92.238.3064.2	20
4.0 m	92.238.4060.2	15	92.238.4063.2	15	92.238.4064.2	15
5.0 m	92.238.5060.2	10	92.238.5063.2	10	92.238.5064.2	10
6.0 m	92.238.6060.2	10	92.238.6063.2	10	92.238.6064.2	10
7.0 m	92.238.7060.2	5	92.238.7063.2	5	92.238.7064.2	5
8.0 m	92.238.8060.2	5	92.238.8063.2	5	92.238.8064.2	5
1.0 m	92.238.1060.3	50	92.238.1063.3	50	92.238.1064.3	50
2.0 m	92.238.2060.3	25	92.238.2063.3	25	92.238.2064.3	25
3.0 m	92.238.3060.3	20	92.238.3063.3	20	92.238.3064.3	20
4.0 m	92.238.4060.3	15	92.238.4063.3	15	92.238.4064.3	15
5.0 m	92.238.5060.3	10	92.238.5063.3	10	92.238.5064.3	10
6.0 m	92.238.6060.3	10	92.238.6063.3	10	92.238.6064.3	10
7.0 m	92.238.7060.3	5	92.238.7063.3	5	92.238.7064.3	5
8.0 m	92.238.8060.3	5	92.238.8063.3	5	92.238.8064.3	5
1.0 m	92.238.1060.5	50	92.238.1063.5	50	92.238.1064.5	50
2.0 m	92.238.2060.5	25	92.238.2063.5	25	92.238.2064.5	25
3.0 m	92.238.3060.5	20	92.238.3063.5	20	92.238.3064.5	20
4.0 m	92.238.4060.5	15	92.238.4063.5	15	92.238.4064.5	15
5.0 m	92.238.5060.5	10	92.238.5063.5	10	92.238.5064.5	10
6.0 m	92.238.6060.5	10	92.238.6063.5	10	92.238.6064.5	10
7.0 m	92.238.7060.5	5	92.238.7063.5	5	92.238.7064.5	5
8.0 m	92.238.8060.5	5	92.238.8063.5	5	92.238.8064.5	5

¹⁾ Modification of the sheath/insulation

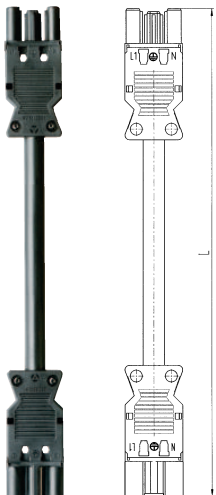
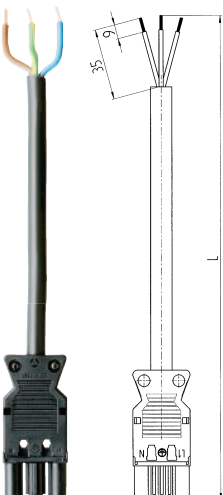
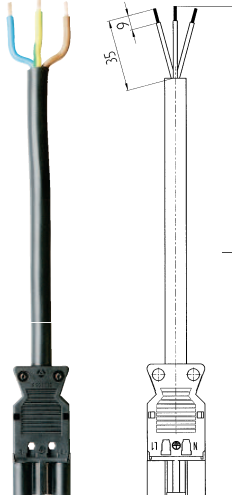
strip lengths available on request

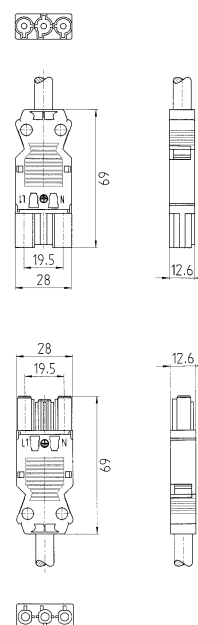
²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

				Extender lead		Starter lead		Connection lead	
Cable: H05V2V2-F3G1.5/2.5 Insulation: with halogen (PVC) Continuous temperature 90 °C				3 x 1.5 mm² female – male		3 x 1.5 mm² female – free end with ultrasonically welded conductor ends ¹⁾		3 x 1.5 mm² male – free end with ultrasonically welded conductor ends ¹⁾	
Cable assemblies Colour black Standard Type H05V2V2-F3G1.5									
Application	Coding	Colour	Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
Mains with earth	Code 1 Female  Male 	black	1.0 m	92.232.1010.1	75	92.232.1013.1	75	92.232.1014.1	75
			2.0 m	92.232.2010.1	40	92.232.2013.1	50	92.232.2014.1	50
			3.0 m	92.232.3010.1	25	92.232.3013.1	25	92.232.3014.1	25
			4.0 m	92.232.4010.1	25	92.232.4013.1	25	92.232.4014.1	25
		cable: black	5.0 m	92.232.5010.1	20	92.232.5013.1	20	92.232.5014.1	20
			6.0 m	92.232.6010.1	10	92.232.6013.1	10	92.232.6014.1	10
			7.0 m	92.232.7010.1	10	92.232.7013.1	10	92.232.7014.1	10
			8.0 m	92.232.8010.1	10	92.232.8013.1	10	92.232.8014.1	10
	Code 2 Female  Male 	white	1.0 m	92.232.1010.2	75	92.232.1013.2	75	92.232.1014.2	75
			2.0 m	92.232.2010.2	40	92.232.2013.2	50	92.232.2014.2	50
			3.0 m	92.232.3010.2	25	92.232.3013.2	25	92.232.3014.2	25
			4.0 m	92.232.4010.2	25	92.232.4013.2	25	92.232.4014.2	25
		cable: white	5.0 m	92.232.5010.2	20	92.232.5013.2	20	92.232.5014.2	20
			6.0 m	92.232.6010.2	10	92.232.6013.2	10	92.232.6014.2	10
			7.0 m	92.232.7010.2	10	92.232.7013.2	10	92.232.7014.2	10
			8.0 m	92.232.8010.2	10	92.232.8013.2	10	92.232.8014.2	10
	Code 3 Female  Male 	grey	1.0 m	92.232.1010.3	75	92.232.1013.3	75	92.232.1014.3	75
			2.0 m	92.232.2010.3	40	92.232.2013.3	50	92.232.2014.3	50
			3.0 m	92.232.3010.3	25	92.232.3013.3	25	92.232.3014.3	25
			4.0 m	92.232.4010.3	25	92.232.4013.3	25	92.232.4014.3	25
		cable: black	5.0 m	92.232.5010.3	20	92.232.5013.3	20	92.232.5014.3	20
			6.0 m	92.232.6010.3	10	92.232.6013.3	10	92.232.6014.3	10
			7.0 m	92.232.7010.3	10	92.232.7013.3	10	92.232.7014.3	10
			8.0 m	92.232.8010.3	10	92.232.8013.3	10	92.232.8014.3	10
		light red	1.0 m	92.232.1010.5	75	92.232.1013.5	75	92.232.1014.5	75
			2.0 m	92.232.2010.5	40	92.232.2013.5	50	92.232.2014.5	50
			3.0 m	92.232.3010.5	25	92.232.3013.5	25	92.232.3014.5	25
			4.0 m	92.232.4010.5	25	92.232.4013.5	25	92.232.4014.5	25
		cable: black	5.0 m	92.232.5010.5	20	92.232.5013.5	20	92.232.5014.5	20
			6.0 m	92.232.6010.5	10	92.232.6013.5	10	92.232.6014.5	10
			7.0 m	92.232.7010.5	10	92.232.7013.5	10	92.232.7014.5	10
			8.0 m	92.232.8010.5	10	92.232.8013.5	10	92.232.8014.5	10

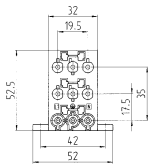
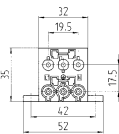
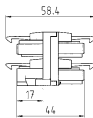
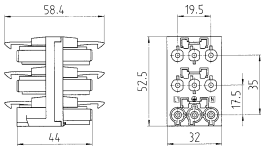
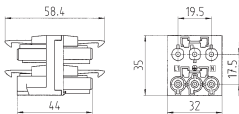
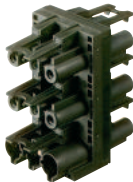
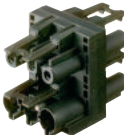
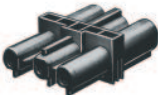


	Extender lead		Starter lead		Connection lead	
	3 x 2.5 mm²		3 x 2.5 mm²		3 x 2.5 mm²	
	female – male		female – free end with ultrasonically welded conductor ends ¹⁾		male – free end with ultrasonically welded conductor ends ¹⁾	
Colour black Standard Type H05V2V2-F3G2.5						
						
Length ²⁾	Part No.	Box Qty	Part No.	Box Qty	Part No.	Box Qty
1.0 m	92.238.1010.1	50	92.238.1013.1	50	92.238.1014.1	50
2.0 m	92.238.2010.1	25	92.238.2013.1	25	92.238.2014.1	25
3.0 m	92.238.3010.1	20	92.238.3013.1	20	92.238.3014.1	20
4.0 m	92.238.4010.1	15	92.238.4013.1	15	92.238.4014.1	15
5.0 m	92.238.5010.1	10	92.238.5013.1	10	92.238.5014.1	10
6.0 m	92.238.6010.1	10	92.238.6013.1	10	92.238.6014.1	10
7.0 m	92.238.7010.1	5	92.238.7013.1	5	92.238.7014.1	5
8.0 m	92.238.8010.1	5	92.238.8013.1	5	92.238.8014.1	5
1.0 m	92.238.1010.2	50	92.238.1013.2	50	92.238.1014.2	50
2.0 m	92.238.2010.2	25	92.238.2013.2	25	92.238.2014.2	25
3.0 m	92.238.3010.2	20	92.238.3013.2	20	92.238.3014.2	20
4.0 m	92.238.4010.2	15	92.238.4013.2	15	92.238.4014.2	15
5.0 m	92.238.5010.2	10	92.238.5013.2	10	92.238.5014.2	10
6.0 m	92.238.6010.2	10	92.238.6013.2	10	92.238.6014.2	10
7.0 m	92.238.7010.2	5	92.238.7013.2	5	92.238.7014.2	5
8.0 m	92.238.8010.2	5	92.238.8013.2	5	92.238.8014.2	5
1.0 m	92.238.1010.3	50	92.238.1013.3	50	92.238.1014.3	50
2.0 m	92.238.2010.3	25	92.238.2013.3	25	92.238.2014.3	25
3.0 m	92.238.3010.3	20	92.238.3013.3	20	92.238.3014.3	20
4.0 m	92.238.4010.3	15	92.238.4013.3	15	92.238.4014.3	15
5.0 m	92.238.5010.3	10	92.238.5013.3	10	92.238.5014.3	10
6.0 m	92.238.6010.3	10	92.238.6013.3	10	92.238.6014.3	10
7.0 m	92.238.7010.3	5	92.238.7013.3	5	92.238.7014.3	5
8.0 m	92.238.8010.3	5	92.238.8013.3	5	92.238.8014.3	5
1.0 m	92.238.1010.5	50	92.238.1013.5	50	92.238.1014.5	50
2.0 m	92.238.2010.5	25	92.238.2013.5	25	92.238.2014.5	25
3.0 m	92.238.3010.5	20	92.238.3013.5	20	92.238.3014.5	20
4.0 m	92.238.4010.5	15	92.238.4013.5	15	92.238.4014.5	15
5.0 m	92.238.5010.5	10	92.238.5013.5	10	92.238.5014.5	10
6.0 m	92.238.6010.5	10	92.238.6013.5	10	92.238.6014.5	10
7.0 m	92.238.7010.5	5	92.238.7013.5	5	92.238.7014.5	5
8.0 m	92.238.8010.5	5	92.238.8013.5	5	92.238.8014.5	5



¹⁾ Modification of the sheath/insulation strip lengths available on request
²⁾ Other lengths available on request

GST 18i 3 pole 250 V, 16 A

			Intermediate coupling	Distribution block 11/30	Distribution block 11/50	
			For further direct connection e.g. from lamp to lamp	with locking device 1 input, 3 pole male connector 3 outputs, 3 pole female connector	with locking device 1 input, 3 pole male connector 5 outputs, 3 pole female connector	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty
with fixing options			 See "Accessories" for mounting plate See "Accessories" for mounting plate 			
Mains with earth	Code 1	 L PE N	black white	92.030.4853.1 100 92.030.4853.0 100	92.030.5353.1 90 92.030.5353.0 90	
	Code 2	 L PE N	pebble grey			
	Code 3	 L PE N	light red			
Switching applications	Code 4	 1 2 3	brown			
Type			GST 18i3V 3P1 F		GST 18i3V 5P1 F	
Application	Coding	Colour	Part No.	Box Qty	Part No.	Box Qty
without fixing option			 			
Mains with earth	Code 1	 N PE L	black white	92.030.5958.1 100 92.030.5958.0 100	92.030.4953.1 100 92.030.4953.0 100	92.030.5253.1 90 92.030.5253.0 90
	Code 2	 L PE N	pebble grey			
	Code 3	 L PE N	light red			
Type			GST 18i3V 1P1		GST 18i3V 3P1	
						
			GST 18i3V 1P1		GST 18i3V 5P1	

24



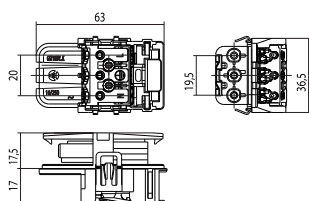
GST 18i3

3 pole mains

TT Connector

TT Connector with locking device
1 input,
 3 pole male connector
1 output,
 3 pole female connector
 with integrated luminaire terminal for
 internal wiring of the luminaires

Part No. Box Qty

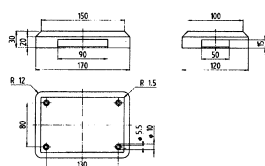


92.030.2053.0 50

Distribution box

with locking device
distribution box
 with 8 ports
 Can be fitted as required with 3, 4 and
 5 pole male and female connectors.
 Optional internal wiring depending on
 the application.

Part No. Box Qty

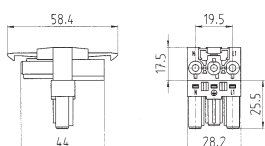


See "Distribution units" for further
 information



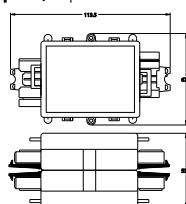
Part No. Box Qty

Distribution block
T-connector
 with locking device
1 input, 3 pole male connector
2 outputs, 3 pole female connector



Distribution box 11/30

with locking device
1 input, 3 pole male connector
3 outputs, 3 pole female connector



99.500.0028.0

99.501.0028.0

Sample set

For GST 18i3

Part No. Box Qty



Contents:

GST 18i3 connection cable
 3 x 1.5 mm², male-free end
 92.232.0204.1

GST 18i3 extension cable
 3 x 1.5 mm²
 92.232.0200.1

GST 18i3 spring-loaded connection
 female connector
 92.933.0053.1

GST 18i3 snap-in spring-loaded
 connection
 male connector
 92.032.9658.1

GST 18i3 T-distribution block
 92.030.1053.1

GST 18i3 distribution block
 11/30 with fixing option
 92.030.4853.1

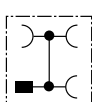
GST locking device for
 free cable connection
 05.587.3156.1

92.030.1053.1 100
 92.030.1053.0 100

99.478.0000.0 1



GST 18i3V 2P1 T



GST 18i3V 3P1