



# Solutions for Central Office

Modern connection technologies are expected to be more feature rich than traditional connection techniques. Speed and simplicity are of the essence. These requirements go beyond central office - connection technologies must be flexible enough for use in the whole network from the main distribution frame to the local distribution box.

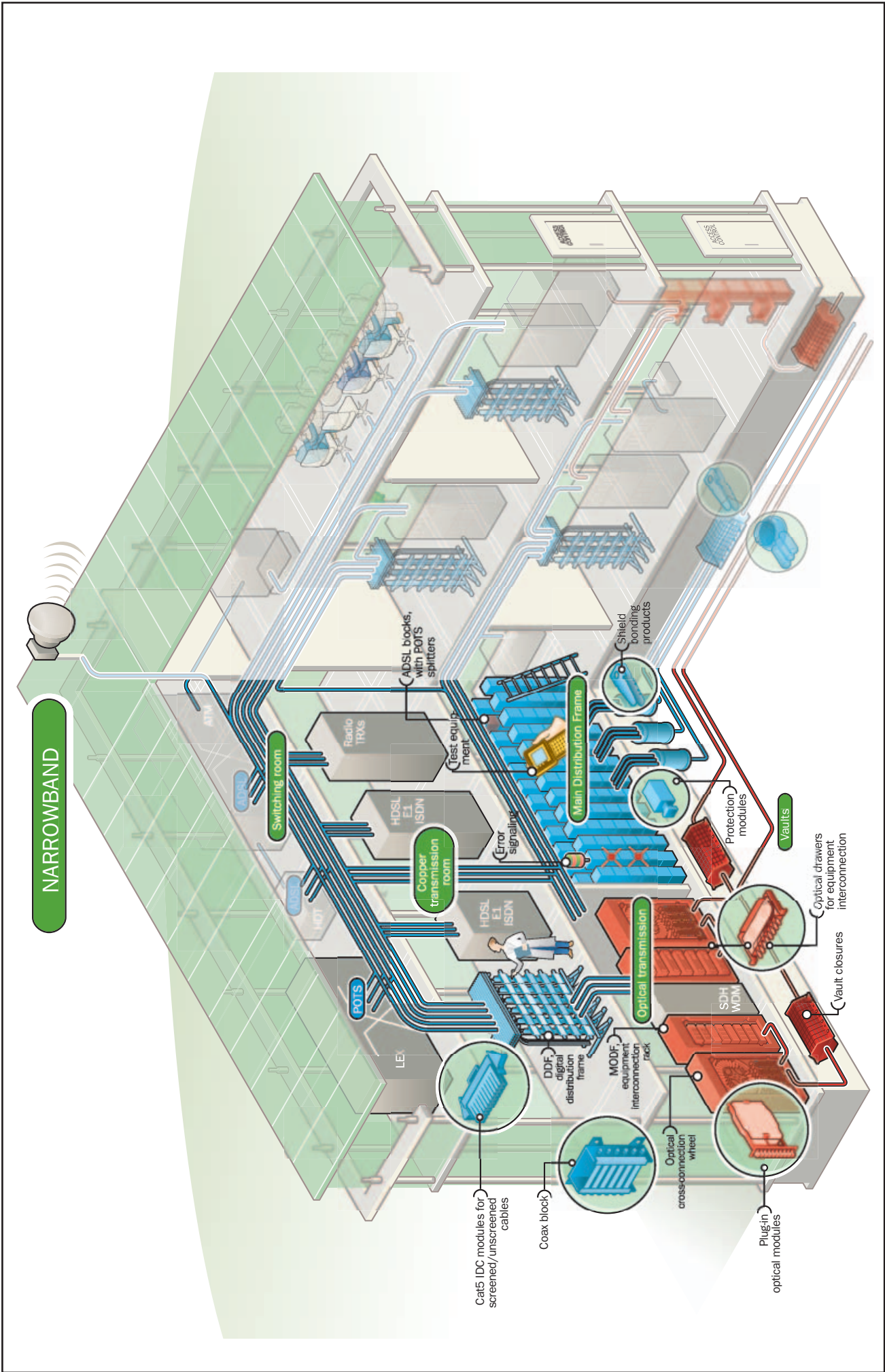
Innovative connection technologies from 3M Telecommunications offer customers practical solutions. Depending on the features required, customers can choose between the ID 3000 family, SID or QSA. 3M Telecommunications doesn't just offer solutions for telephony. Data communications products are available to cover the range from screened solutions to Category 5e.

3M offers an extensive range of over-voltage protection solutions to give security both to people and the network equipment.

With an extensive range of frames, racks, cabinets and splitters in addition to the connection technologies, a complete range of products is at your disposal.

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# 1.1 Narrowband Application

## Technical overview



### Description

#### Technical Data:

	ID 3000 line side	ID 3000 equipment side	SID-C	SID-CT	SID-C abs	QSA	STG	BRCP	STR M
<b>general product features:</b>									
<b>module or block configuration:</b>	block	block	module	module	module	module	module	block	module
<b>capacity:</b>	100/200 pair	128 pair	8/10 pair	8/10 pair	8/10 pair	10 pair	8/10 pair	128 pairs	8/10 pair
<b>dimensions (wxhxd) in mm:</b>	130x148x109	117x228x109	112x17,3x37	124x17,3x37	118x17,3x37	123x18x39	146 / 126x 16x50	248x115x100	146 / 126x 16x50
<b>wire guide channels:</b>	yes	yes	no	no	yes	no	no	yes	no
<b>capacity per 2,8 metre vertical:</b>	1800 pair	1536 pair	1600 pair	1200/1280 pair	1600 pair	1600 pair	1600/1280 pair	1408 pair	1600/1280 pair
<b>type of circuit:</b>	disconnection	disconnection	disconnection/ connection	disconnection/ connection	disconnection/ connection	disconnection/ connection	disconnection/ connection	disconnection	disconnection
<b>mounting solution:</b>	with ID 3000 backmount frame	with ID 3000 backmount frame	with SID backmount frame or Flexirail	with SID or QSA back- mount frame or Flexirail	with SID backmount frame or Flexirail	with QSA backmount frame or Flexirail (adapter flap)	backmount frame E8: 8 p. / E10: 10 pairs	flat iron bar	backmount frame E8: 8 pairs / E10: 10 pairs
<b>connection features:</b>									
<b>conductor range (solid copper)</b>									
wire diameter:	0,32 - 0,8 mm	0,32 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm	0,4 - 0,8 mm
overall insulation sheath diameter:	1,6 mm max.	1,6 mm max.	1,6 mm max.	1,6 mm max.	1,6 mm max.	1,6 mm max.	1,5 mm max.	1,5 mm max.	1,5 mm max.
<b>Number of reterminations (0,6 mm)</b>	> 200	> 200	> 100	> 100	> 100	> 100	> 100	> 200	> 100
<b>Insertion tools:</b>	ID 3000 Standard/ Comfort insertion tool	ID 3000 Standard/ Comfort insertion tool	SID Standard/ Comfort insertion tool	SID Standard/ Comfort insertion tool	SID Standard/ Comfort insertion tool	QSA insertion tool	SOR OC tool (scissor action)	SOR OC tool (scissor action)	SOR OC tool (scissor action)
<b>t-connection facility:</b>	yes	yes	switching adapter	switching adapter	switching adapter	switching adapter	no	yes	yes
<b>Number of insertions (with disconnection plug)</b>	> 1000	> 1000	> 1000	> 1000	> 1000	> 1000	> 1000	> 1000	> 1000
<b>electrical features:</b>									
<b>contact resistance:</b>	< 1 mΩ	< 1 mΩ	< 1 mΩ	< 1 mΩ	< 1 mΩ	< 1 mΩ	< 1 mΩ	< 3 mΩ	< 1 mΩ
<b>leading through resistance:</b>	< 10 mΩ	< 10 mΩ	< 10 mΩ	< 10 mΩ	< 10 mΩ	< 10 mΩ	< 25 mΩ	< 30 mΩ	< 25 mΩ
<b>insulation resistance @ 500V:</b>	> 10000 MΩ	> 10000 MΩ	> 50000 MΩ	> 50000 MΩ	> 50000 MΩ	> 50000 MΩ	> 10 000 MΩ	> 1000 MΩ	> 10 000 MΩ
<b>impulse discharge current @ 8/20µs:</b>	5 kA	5 kA	10 kA	10 kA	10 kA	10 kA	> 10 kA	-	> 10 kA
<b>dielectric strength @ 50 MHz:</b>	2 kV RMS	2 kV RMS	2 kV RMS	2 kV RMS	2 kV RMS	2 kV RMS	2 kV RMS	4,5 kV	2 kV RMS
<b>axial retention force:</b>	> 70%	> 70%	> 70%	> 70%	> 70%	> 70%	> 70%	> 70%	> 70%
<b>transversal retention force:</b>	> 30%	> 30%	> 30%	> 30%	> 30%	> 30%	> 40%	> 40%	> 40%
<b>attenuation @ 20 MHz:</b>	< 0,01 db	< 0,01 db	< 0,01 db	< 0,01 db	< 0,1 db	< 0,01 db	< 0,1 dB	< 0,1 dB	< 0,1 dB
<b>cross talk @ 100 MHz:</b>	< 48 db	< 48 db	< 51 db	< 51 db	< 60 db	< 51 db	> 100 dB	> 100 dB	> 100 dB
<b>transmission performance:</b>	Cat. 3	Cat. 3	Cat. 3	Cat. 3	Cat. 5e	Cat. 3	Cat. 5	Cat. 3	Cat. 3

# 1.1 Narrowband Application

## Technical overview

### Description

#### Technical Data:

	ID 3000 line side	ID 3000 equipment side	SID-C	SID-CT	SID-C abs	QSA 2	STG	BRCP	STR M
<b>design features:</b>									
<b>contact material:</b>	special brass	special brass	special brass	special brass	special brass	special brass	CuSn9P	CuSn9P	CuSn9P
<b>contact surface coating:</b>	silver 5µm	silver 5µm	silver 5µm	silver 5µm	silver 5µm	silver 5µm	tin/lead > 5µm	tin/lead 60/40	tin/lead > 5µm
<b>plastic parts:</b>	PC	PC	PBT	PBT	PBT	PBT	PC	PC	PC
<b>self-extinguishing plastic material class:</b>	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
<b>colour:</b>	light grey	light grey	light grey	light grey	light grey	light grey	dark bl. casing/ red base	blue, black and white	dark blue casing/ red base

	AC discharge @ 50 Hz	Insulation resistance	Failsafe response time @ 5A	Line resistance per wire	cross capaci- tance	operating tempera- ture
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#### overvoltage protection:

##### SID overvoltage protec- tion magazine 3 pole

- 230 V - 5 kA:	< 5 A	> 50000 MΩ	< 10 s	< 100 mΩ	< 2 pF	-25°C-60°C
- 230 V - 10 kA:	< 5 A	> 50000 MΩ	< 10 s	< 100 mΩ	< 2 pF	-25°C-60°C

##### SID Single Pair Protection plug

<b>Primary protect. plug:</b>	< 5 A	> 50000 MΩ	< 10 s	< 100 mΩ	< 2 pF	-25°C-60°C
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##### SID Single Pair - Protection plug overvoltage and current protection plug:

	< 5 A	> 50000 MΩ	< 10 s	< 12 Ω	< 2 pF	-25°C-60°C
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##### SID Single Pair Protection plug ultra fast overvoltage and current protection plug:

	< 5 A	> 100 MΩ	< 10 s	< 12 Ω	< 50 pF	-25°C-60°C
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# 1.1 Narrowband Application

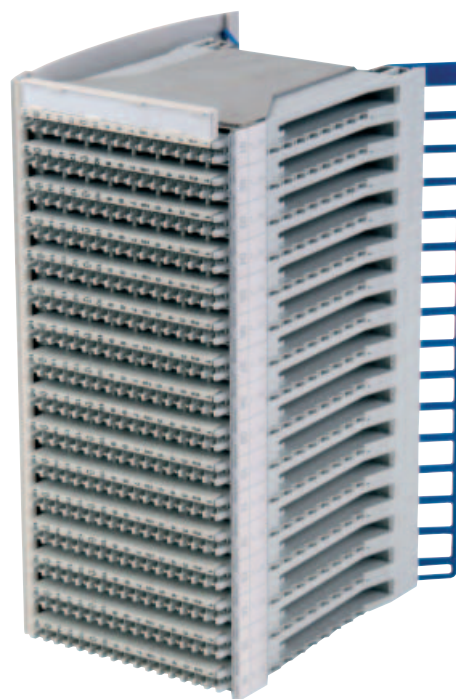
## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ overview

#### Description

The MDF concept of Quante ID 3000 offers optimised product solutions for special necessities of the market. Realising that for each application there is only one optimal product, Quante have constantly adapted the ID 3000 system to meet these specific requirements.

Three different Quante ID 3000 ranges exist, for analogue, ISDN, 2 Mbit/s applications or the use in digital local exchange systems to allow the user to choose his fine tuned solution.



#### Highlights:

High density

- New compact MDF-structure:
  - exchangeable modules (no tool required)
  - 8 and 10 pair modules
  - blocks fit same mounting rail
  - compatibility to existing MDF-frames
- Cost savings through:
  - simple configuration of the frame
  - pre-jumpering possible
  - short jumpering distances resulting in cable savings
  - reduced installation time
- Double contacts for T-connection protected by module housing
- Significant decrease in weight
- Available as a block or individual modules
- Cable guide accepts twisted pair and one pair shielded cable
- Extensive range of accessories and overvoltage protection
- 8 or 10 pair protection magazine

## 1.1 Narrowband Application

### 1.1.1 Medium and large size MDF

# Quante™ ID 3000™ overview

#### Description

#### Quante ID 3000

With its compact dimensions and its high density, the MDF technology, "Quante ID 3000" is the basic element of the ID 3000 product family.

The modular design of the system allows configurations of different ratios of line-and-exchange side with individual 8 or 10 pair modules as well as the compilation of blocks in any size and order.



Quante™ ID 3000™ Disconnection Block 100 pair and 128 pair

#### Quante ID 3000 DDF

Quante ID 3000 2 Mbit/s is the answer to the increased market request of 2 Mbit/s applications for network operators.

Fine tuned for applications with shielded jumper wires ID 3000 2Mbit/s offers enlarged wire guide housings. In contrast to the conventional techniques the shielded jumper wire complete with shielding is guided directly to the IDC contact.

Labelling as well as special earthing magazines for the earthing of the shielded wires make the Quante ID 3000 2Mbit/s system the ideal solution for your network.



Quante™ ID 3000™ DDF Disconnection Block

# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ system

#### Description

#### Disconnection block ID 3000, 100 pair and 200 pair

The Quante ID 3000 system permits installation on to existing Main Distribution Frames (horizontal/vertical) or a sheer vertical installation on Quante ID 3000 frames or profiles. The system is intended for wall-mounted or freestanding frames.

Optimised on the binary built up cables (8, 16, 32 pair etc.) The Quante ID 3000 easily allows the application in MDF technologies at the Central Office, as well as Ethernet and Token Ring, where the requirements according IEEE 802.3 and 802.5 are fulfilled.

The main advantages of the consistent modular structure are short cross-connection times due to short cross-connection path and mixed ratio of internal / external lines of 8 and 10 pair modules. Single modules can be easily changed later without difficulties.

**Colour:** RAL 7032

**Mounting rail material:** stainless steel 1,5 mm

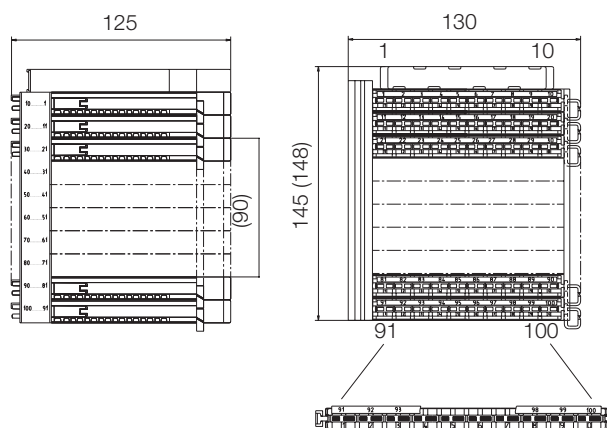
**Each block is supplied with:**

10 disconnection modules 10 pair (ID 3000)

1 labelling frame, 1 cable cover, 1 set of labelling strip, 1 covering strip, 1 mounting material (1 backmount frame)

PU: 1 pc

Installation details



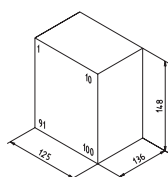
Marking of the modules



Quante™ ID 3000™ block

#### Type/Order text

#### Ref.-No.



**for vertical mounting with backmount frame, 100 pair**

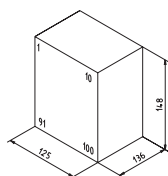
(Marked 1-10)

**Use:** For mounting on existing distribution frames.

PU: 1 pc

Weight: 1,35 kg

15-600-00000



**for vertical mounting without backmount frame, 100 pair**

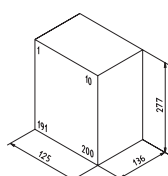
(Marked 1-10)

**Use:** For Quante ID 3000 distribution frames or ID 3000 profile

PU: 1 pc

Weight: 0,95 kg

15-600-02000



**for vertical mounting with backmount frame, 200 pair**

(Marked 1-10)

**Use:** For mounting on existing distribution frames.

PU: 1 pc

Weight: 2,4 kg

15-700-01500



# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ system

#### Description

#### Ref.-No.

#### Disconnection block ID 3000, 128 pair, 200 pair and 512 pair

The Quante ID 3000 system permits installation on to existing Main Distribution Frames (horizontal/vertical) or a sheer vertical installation on Quante ID 3000 frames or profiles. The system is intended for wall-mounted or freestanding frames.

Optimised on the binary built up cables (8, 16, 32 pair etc.) The Quante ID 3000 easily allows the application in MDF technologies at the Central Office, as well as Ethernet and Token Ring, where the requirements according IEEE 802.3 and 802.5 are fulfilled.

The main advantages of the consistent modular structure are short cross-connection times due to short cross-connection path and mixed ratio of internal / external lines of 8 and 10 pair modules. Single modules can be easily changed later without difficulties.

**Colour:** RAL 7032

**Mounting rail material:** stainless steel 1,5 mm

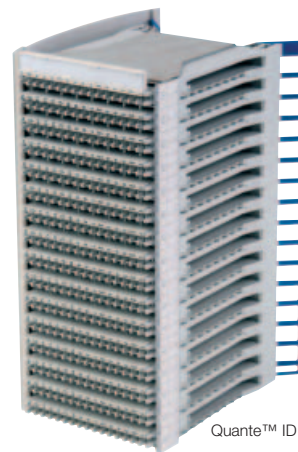
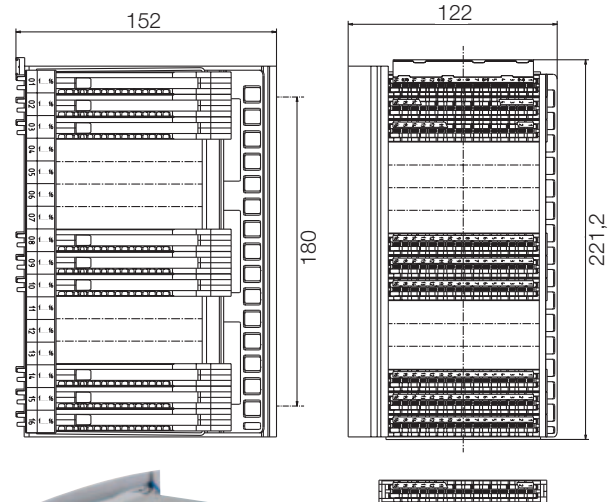
**Each block is supplied with:**

16 disconnection modules 8 pair (ID 3000)

1 labelling frame, 1 cable cover, 1 set of labelling strip, 1 covering strip, 1 mounting material (1 backmount frame)

PU: 1 pc

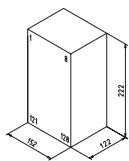
#### Installation details



Quante™ ID 3000™ block

#### Type/Order text

#### Ref.-No.



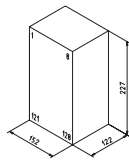
#### Universal block for vertical and horizontal mounting with backmount frame, 128 pair

(Marked 1-8)

**Use:** For mounting on existing distribution frames.

PU: 1 pc, Weight: 1,67 kg

15-628-00326



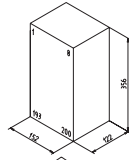
#### for vertical mounting without backmount frame, 128 pair

(Marked 1-8)

**Use:** For Quante ID 3000 distribution frames or ID 3000 profile.

PU: 1 pc, Weight: 1,17 kg

15-628-02000



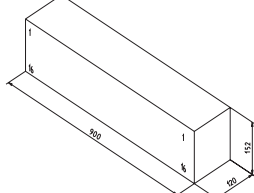
#### for vertical mounting with backmount frame, 200 pair

(Marked 1-8)

**Use:** For mounting on existing distribution frames.

PU: 1 pc, Weight: 2,4 kg

15-700-00000



#### for horizontal mounting with backmount frame, 512 pair

(Marked 1-16)

**Use:** For mounting on existing distribution frames.

PU: 1 pc, Weight: 5,8 kg

15-512-00000

# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ system

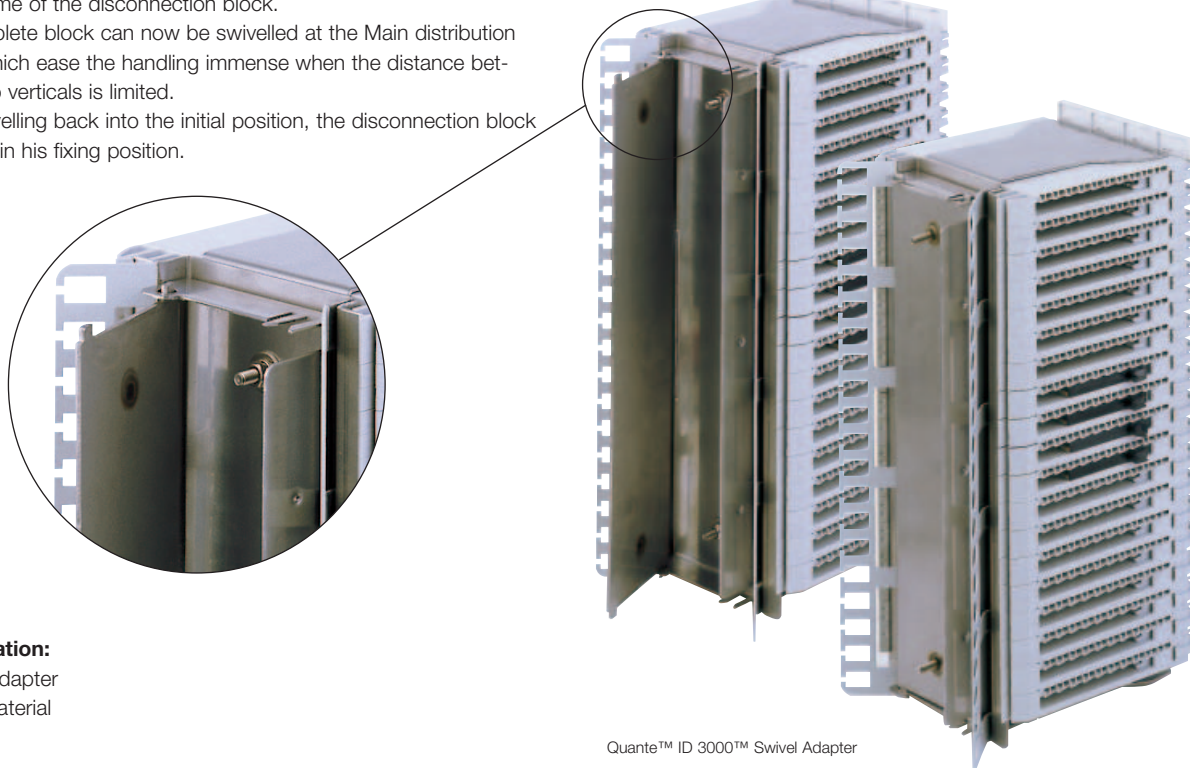
#### Description

#### Swivel adapter Quante™ ID 3000™ for 128 and 200 pair disconnection blocks

The swivel adapter ID 3000 will be mounted directly on the back-mountframe of the disconnection block.

The complete block can now be swivelled at the Main distribution frame, which ease the handling immense when the distance between two verticals is limited.

After swivelling back into the initial position, the disconnection block is locked in his fixing position.



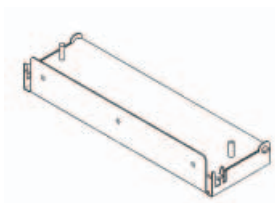
Quante™ ID 3000™ Swivel Adapter

**Specification:**

- swivel adapter
- fixing material

PU: 1 pc

#### Type/Order text



for mounting on an ID 3000 disconnection block

**Swivel adapter for disconnection block 128 pair with backmount frame 15-628-00326**

#### Ref.-No.

41033-502 00

**Swivel adapter for disconnection block 200 pair with backmount frame 15-700-01500**

41033-503 00

# 1.1 Narrowband Application

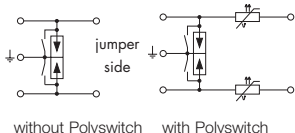
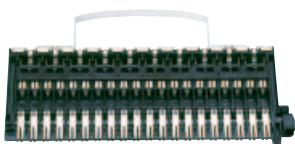
## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ system

#### Type/Order text

#### Ref.-No.

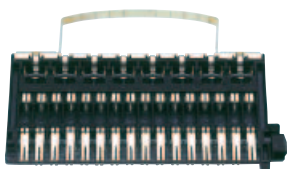
#### Quante ID 3000 protection for overvoltage solutions / accessories



**ID 3000 10 pair overvoltage protection magazine for 3-pole arrester** **62126-504 00**  
 PU: 10 pcs, Weight: 0,4 kg  
 Colour: RAL 9005, black

**ID 3000 10 pair overvoltage protection magazine with 3-pole arrester** **62126-504 25**  
 230V, 5,0 kA with failsafe  
 PU: 10 pcs

**ID 3000 10 pair overvoltage protection magazine with 3-pole arrester** **62126-504 26**  
 230V, 5,0 kA with failsafe and PTC  
 PU: 10 pcs



**ID 3000 8 pair overvoltage protection magazine for 3-pole arrester** **62126-505 00**  
 PU: 13 pcs, Weight: 0,4 kg  
 Colour: RAL 9005, black

**ID 3000 8 pair overvoltage protection magazine with 3-pole arrester, 230V, 5,0 kA with failsafe** **62126-505 25**  
 PU: 10 pcs

**ID 3000 8 pair overvoltage protection magazine with 3-pole arrester, 230V, 5,0 kA with failsafe and PTC** **62126-505 28**  
 PU: 10 pcs



**3-pole surge arrester 230 V, (5 x 7,5 mm) 2,5 kA** **05-661-02200**

PU: 1 pcs, Weight: 0,007 kg

**5kA** **05-661-03190**

PU: 1 pc, Weight: 0,008 kg



**Current protection PTCR (Polyswitch)** **05-452-51400**

I = 120 mA; R = 5-9 Ω

PU: 1000 pcs, Weight: 0,3 kg



**ID 3000 switching tool** **62397-512 00**

to activate the magazine axle



**ID 3000 standard tool** **62397-510 00**

Colour: blue

PU: 1 pc, Weight: 0,08 kg



**ID 3000 comfort tool** **62397-513 00**

**Scissor action**

Colour: blue

PU: 1 pc, Weight: 0,08 kg



**ID 3000 dummy plug 1 pair**

PU: 100 pcs, Weight: 0,03 kg

**red**  
**white**  
**brown**

**62122-522 00**

**62122-522 25**

**62122-522 30**



# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ ID 3000™ system

Type/Order text

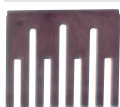
Ref.-No.

Quante ID 3000 accessories



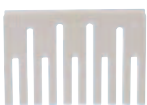
**ID 3000 disconnection plug 1 pair** red  
 PU: 100 pcs, Weight: 0,03 kg  
 white  
 brown

62122-521 00  
 62122-521 25  
 62122-521 30



**ID 3000 disconnection plug 4 pair** red  
 PU: 32 pcs, Weight: 0,05 kg  
 white  
 brown

62122-525 00  
 62122-525 25  
 62122-525 30



**ID 3000 disconnection plug 5 pair** white  
 PU: 20 pcs, Weight: 0,04 kg  
 brown

62122-523 25  
 62122-523 30



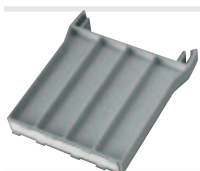
**ID 3000 marking caps** red  
 PU: 100 pcs, Weight: 0,04 kg  
 white

62004-512 00  
 62004-512 25



green  
 yellow  
 black  
 brown  
 blue

62004-512 26  
 62004-512 27  
 62004-512 29  
 62004-512 30  
 62004-512 31



**Label holder**  
 Uses 1 position on backmount frame  
 PU: 1 pc, Weight: 0,04 kg

62156-510 00



**ID 3000 label holder**  
 8 pair, plug-in type  
 10 pair, plug-in type for marking the block

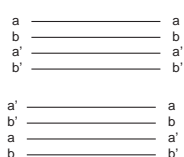
62156-531 25  
 62156-532 25



**ID 3000 plug-in type for marking the module**

62156-533 00

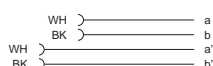
**ID 3000 4-pole patch cord, PU: 1 pc**



**Length: 2 m** 62054-537 00  
**Length: 3 m** 62054-537 25  
**Length: 2 m** 62054-538 00  
**Line / equipment side**  
**interchanged**



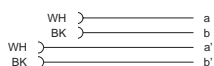
**ID 3000 4-pole test cord, with 4 mm banana sockets, PU: 1 pc**



**Length: 0,29 m** 62054-536 00



**ID 3000 4-pole test cord, single ended, PU: 1 pc**



**Length: 3 m** 62054-539 00



**ID 3000 test plug kit, 4-poles, PU: 10 pcs**  
 Weight: 0,03 kg

62096-507 00

## 1.1 Narrowband Application

### 1.1.1 Medium and large size MDF

#### Quante™ STC overview

##### Description

##### Quante STC system

The Quante STC system is designed for medium and large telecommunications and data applications. Line and exchange side are geometrically separated according to the concept 1 side = 1 application.

All blocks can be swivelled for the first termination. After termination the line cables are protected against all mechanical influences. All jumpering is completed on the front face of the block.





## 1.1 Narrowband Application

### 1.1.1 Medium and large size MDF Quante™ STC overview

#### Description

#### Quante STC line side terminal block with opened contacts

The Quante STC standard MDF block is suitable for medium to large Telecom exchanges. Based on an outstanding IDC technology, it allows for the termination of all gauges in the range 0,4 - 0,8mm multiple times. The STC's design construction includes a one piece internal circuit which reduces the number of internal connection points. A large single-piece earth grid avoids any risk of heating and drains very high current to the earth of the MDF.

Its design is suitable for MDF applications, based on the principle 1 side = 1 application. The cable termination field (once terminated) is hidden at the rear of the product by swivelling the block, protecting the cable against all mechanical actions and therefore potential mistakes in cabling are avoided.

The jumper field is front facing to ease normal jumpering operations. A third side is dedicated to route both cables and jumpers to the relevant IDC position.

The fourth side offers a single pair socket for disconnection, protection and test plugs.

A comprehensive range of protection plugs allows the protection of only the active lines using different types of protection plugs:

- Overvoltage and current surge protection of the switching equipment
- Underground cable protection
- Fast response time protection module

#### Highlights:

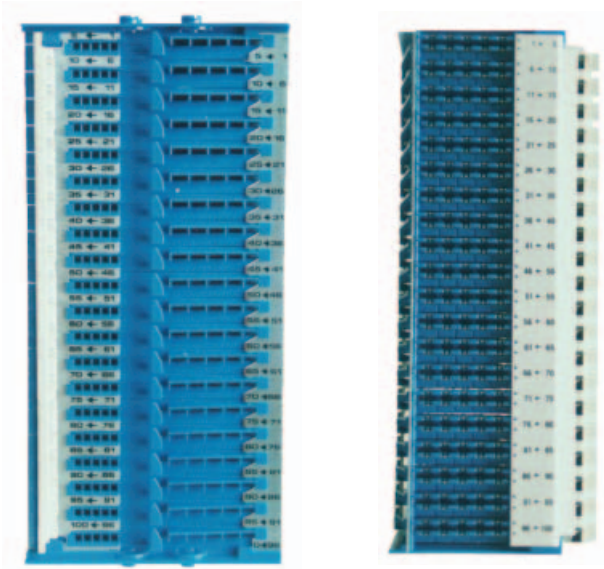
- Front facing jumper termination field
- Separated cable termination field
- 0,4 - 0,8 mm wire conductors
- T-connection possibility
- Pair identification on each side
- Cable and jumpers routing devices
- Comprehensive range of single pair protection plugs
- Plugs for all applications in the network
- Flexible range 25, 50, 75 and 100 pair blocks
- Open circuit

# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ STC system

#### Technical characteristics



Dimensions in mm

Cable head	A	B	C
STC 25 pair	85	109	165
STC 100 pair	280	109	165

#### Type/Order text

#### Ref.-No.



#### Quante STC blocks

#### Standard equipment

- 1 block
- 1 jumper ring
- 1 cable tie
- Protective sheath for main cable

#### STC blocks (without protection plug)

PU: 1 pce. (box)

**Block STC C5, 25 pair** C200950B0000

**Block STC C5, 100 pair** C200953B0000



# 1.1 Narrowband Application

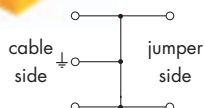
## 1.1.1 Medium and large size MDF

### Quante™ STC system

Type/Order Text

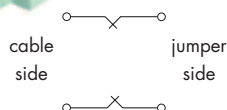
Ref.-No.

#### Quante STC disconnection and protection plugs



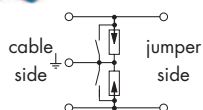
**Earth plug** (SOC MB, yellow)  
 Looping and earthing on cable side,  
 disconnects line on jumper side

C202820A0000



**Continuity plug** (SOC MC, grey)  
 Electrical continuity of the line without protection

C202800A0000

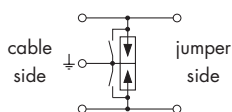


**Overvoltage protection plugs** (SOC MP, blue)  
 Line continuity with surge protection provided by two  
 replaceable two-pole surge arrester with fail-safe  
**Empty module**

C202810A0000

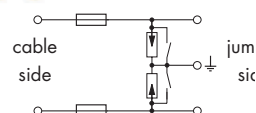
**Module with two two-pole surge arrester  
 with fail-safe**

C202812A0000



**Overvoltage protection plug** (SOC MPT, grey)  
 Line continuity with surge protection provided by one  
 three-pole surge arrester (not replaceable)  
**Module with 230 V surge arrester with fail-safe**

C202817B0000



**Underground cable protection plug** (SOC MPS, white)  
 Line continuity with two-pole replaceable surge  
 arrester and current surge protection with  
 replaceable thermal fuses.

**Module with 2 x 230 V surge arresters,  
 with fail-safe and 2 slow blow 3,5 A fuses**

C202161A0000

**Module with 2 x 500 V surge arresters,  
 with fail-safe and 2 slow blow 3,5 A fuses**

C202165A0000

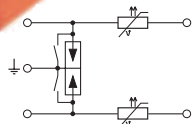
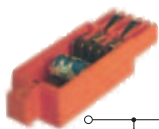


## 1.1 Narrowband Application

### 1.1.1 Medium and large size MDF Quante™ STC system

#### Type/Order text

#### Quante STC disconnection and protection plugs

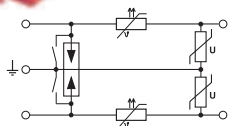


##### 5 pole protection plug

(SOC MPC, orange)

Line continuity with three-pole surge arrester with fail-safe and 2 PTCRs (positive temperature coefficient resistors)

C202819A0000



##### Fast 5 pole

(SOC MPV, orange)

Line continuity with 2 fine overvoltage protection (3-pole arrester and varistors) and current protection

C202834A0000

#### Quante STC accessories and tools



##### Test cords

##### Surge arrester test plug for SOC FP

(2 poles, 3 metres, banana plugs)

C202867A0000



##### Test plug SOC FS

(4 poles, 3 metres, without banana plugs)

C202145A0000



##### Line test plug (for SOC MC and SOC FL)

(4 poles, 3 metres, banana plugs)

C202857A0000

##### 1 pair test cord

(3 metres, 4 poles)

C202855A0000

##### Thermal fuse and arrester for SOC MPS

**Thermal fuse** 3,5 A slow blow

**Arrester** two-pole 230 V with fail-safe

C231031A0000

C231041A0000



##### Tools

##### IDC insertion tool (scissor action)

##### Universal PKS IDC insertion tool

For IDC systems STC, QSA and System 71

C234030A0000

C234037A0000

# 1.1 Narrowband Application

## 1.1.1 Medium and large size MDF

### Quante™ BRCP overview/system

#### Description

#### Quante BRCP exchange side disconnection block

Quante BRCP equipment side terminal blocks are designed to be horizontally installed in any MDF.

A front facing jumper termination field allows to terminate independently 2 jumpers and to ease switch change over operations.

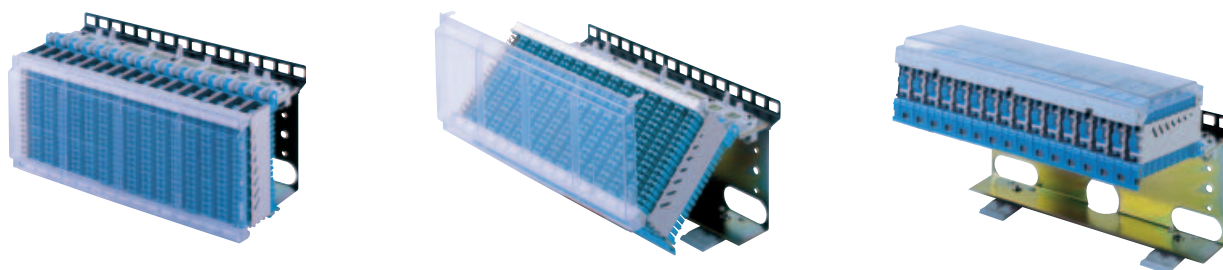
Its design offers a safe storage for the 128 pair equipment cable which always remains separated from jumper routes. Wire guide channels are routing jumpers up to the relevant IDC position.

Pair by pair identification and all cable splitting, routing and strain relief devices are included in the block.

A selective disconnection plug allows switch change over operations.

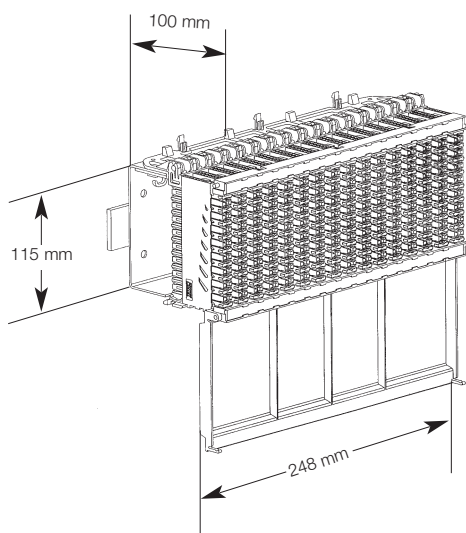
#### Highlights:

- Front facing jumper terminations
- Safely stored equipment cable
- 0,4 - 0,8 mm wires
- Wire guide channels
- Selective and simultaneous disconnection
- High density



#### Type/Order text

#### Ref.-No.



#### 128 pair disconnection block

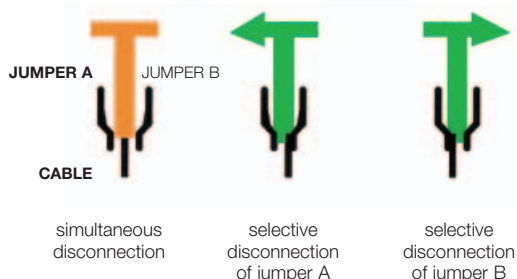
T-connection block fully equipped with mounting accessories and 16 simultaneous disconnection plugs

#### BRCP M2 8 128 EX

Application: block can be mounted on any flat bar.

C241631A0000

#### Disconnection



#### Quante BRCP accessories

Batch of 100 simultaneous disconnection plugs (orange)

**BRCP - SOR FCH**

C222929A0000

Batch of 100 selective disconnection plugs (green)

**BRCP - SOR TE**

C222904A0000

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ overview

#### Description

##### Quante SID-C High density system



Quante™ SID-C module

Quante SID-C connection and disconnection modules (8 and 10 pair) for mounting on individual profile FlexiRail and backmount frame SID-C are available in the following different types:

- Connection module 8 and 10 pair, printing black
- Disconnection module 8 and 10 pair, printing green.

Both types can be protected with primary overvoltage protection magazines or 1 pair Single Pair Protection plugs (SPP).

- Earthing modules, printing red for 40 wires

##### Highlights:

- Compact system with a pitch of 17,5 mm
- Wire diameters from 0,4 mm to 0,8 mm
- Assembling on SID-C backmount frames and FlexiRail profiles
- Removable by hand without tools

SID-C see pg. 33-35

##### Quante SID-CT Compact top model for all standard backmount frames



Quante™ SID-CT module

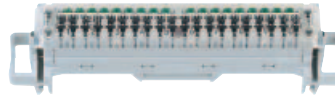
The modified fixing system offers the possibility to use all standard backmount frames with only one type of module. Therefore SID-C backmount frames with a pitch of 17,5 mm, as well as, LSA PLUS / QSA backmount frames with a pitch of 22,5 mm are suitable for the SID-CT module. Due to the slim design of the module SID-CT offers nearly twice as much jumpering space between two modules. SID-CT can also be used on the individual profile system - FlexiRail. Individual movement on the profile guarantees a maximum of flexibility by optimised handling. Due to the clicking system, SID-CT can be easily unclamped by hand; no tool is necessary.

##### Highlights:

- Fits on SID-C and LSA PLUS/ QSA backmount frames and on profile system
- Quante FlexiRail
- Pitch of 17,5 mm
- Nearly twice as much jumpering space between the modules when using LSA PLUS / QSA backmount frame
- Simple removal by hand without tool
- Comprehensive accessories from SID-C range can be used

SID-CT see pg. 36

##### Quante SID-C Extreme for extreme environmental conditions



Quante™ SID-C Extreme module

Connection technologies are increasingly required to be used under extreme climatic conditions. New technologies and applications have to be able to withstand these extreme requirements without faults. SID-C EXTREME is a system which can provide environmental protection for copper terminations.

##### Highlights:

- Application under harshest environmental conditions
- Cost optimized solution
- High density
- Improved reliability

SID-C extreme see pg. 216-217

##### Quante SID-C abs DDF high transmission performance



Quante™ SID 2 Mbit/s module

Based on the reliable SID technique, the new SID 2 Mbit/s module is designed to offer a cable block solution with a maximum of 80 pair 2 Mbit/s to be terminated and jumpered. With a special construction of the backmount frame it is possible to manage all cable screens.

##### Highlights:

- Category 5e transmission performance
- Capacity up to 40 ports
- Application in co-location rooms
- Same connection technology for analogue and high data rate application in co-location rooms
- 8x3 abs contact arrangement
- wire guide channel for cable management

SID-C/2 see pg. 104-106

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ overview

#### Description

**Quante SID-CD**  
Screw mounted strips with DIN mounting dimensions for small distribution boxes



Quante™ SID-CD DIN module

SID-CD the handy screw-on solution with DIN mounting dimensions of 96 mm for 8/10 pair or 170 mm for 20 pair. Its main application is in small to medium telecommunications and data distribution boxes. The SID-CD strips are available both as connection and disconnection modules for 8, 10 and 20 pair cables. Earthing strips for 40 and 80 wires made up with two earthing connections each, are fixed at the right and left hand side of the module. A complete range of accessories allows optimum use of the SID-CD system.

**Highlights:**

- One wire per slot 0,4 - 0,8 mm
- 8, 10 and 20 pair modules
- Also available as disconnection strips
- Supplementary earth connection

**Quante SID-C Switching modules only required lines are connected**



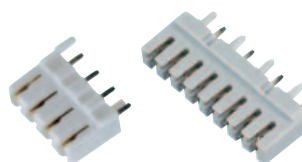
Quante™ SID-C module

A new extension to the SID Product family is the SID-C switching module. By retaining the familiar method of working and implementation of the SID-C accessories, the switching modules offer various applications. Contrary to the well-known disconnection module, which is disconnected only by the use of a disconnection plug, the switching contact is permanently open and has to be connected by the use of a plug. To avoid mistakes the top of the module is coloured brown (RAL 8004). The partial penetration of the outer isolation and the gastight connection with the copper wire is done in the reliable way.

**Highlights:**

- Reliable SID Technique
- Only required lines are connected
- Various applications
- Cost-optimised protection solutions
- Retains the reliable method of working
- preferred use in MDF's and DDF'S

**Quante SID-P / SID-CP strips for PCB boards**



Quante™ SID-P / 5,08 Quante™ SID-P / 3,81

The SID- P product range has been specially designed for applications with printed circuit boards. It consists of two designs: **SID-P/3,81, and SID-P/5,08** These items are used in all areas where circuit boards make contact with copper leads, e.g. on patch panels. In combination with its compact design, it guarantees easy connection within the most restricted spaces a considerable advantage in those areas which require connection under restricted ratios, e.g. in outlets.

**Highlights:**

- World wide approved SID Technology
- Stripping, terminating and cutting in one process
- Compact design
- SID-P can be connected with a 3 mm screwdriver (DIN5264 form A)

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

#### Description

With the SID product family 3M is setting the standards for high density IDC termination combined with improved handling. The main applications are in telecommunications and data networks.

The SID insulation displacement contacts are enclosed by the plastic housing of the module. This improves the insulation performance and helps in providing a safe working practice.

The SID product family is available in 8 and 10 pair connection and disconnection modules.

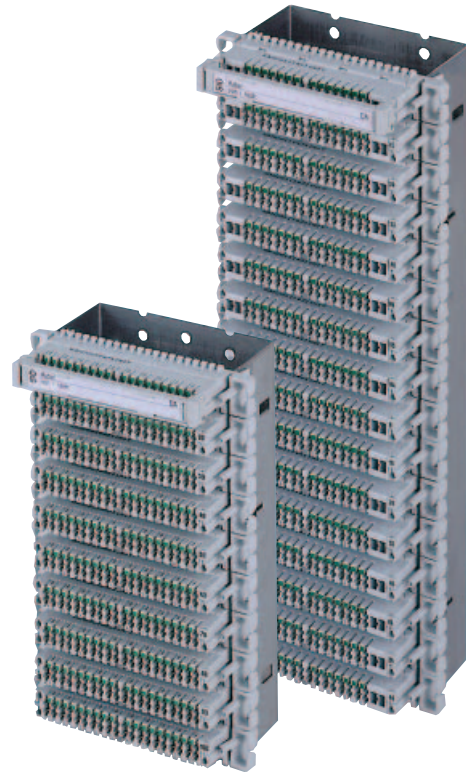
3M's individual mounting systems reflects the trend towards improved handling. Backmount frames or profile rails are available as required, and also „FlexiRail“ as an individual mounting system for targeted applications.

A significantly increased capacity compared to other techniques is achieved with the compact SID-C module.

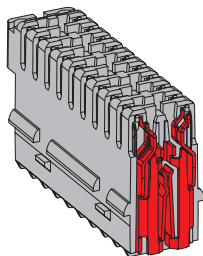
A wide range of accessories and a comprehensive overvoltage protection complete the product family.

#### Highlights:

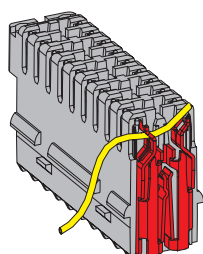
- High density
- One wire per slot 0,4 - 0,80 mm
- Optimised cable conductor guide
- Long-life tools
- Flexible mounting systems
- Removal without a special tool
- Comprehensive overvoltage protection system



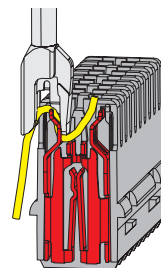
#### Cable management



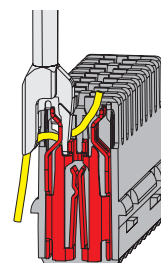
1. Sectional view of SID-C module



2. Push wires into connection slot. Allow enough of wire to overhang the far side of the module.



3. Locate insertion tool in a straight position on the module. The printed scissors should face the centre of the module. Push the tool firmly into the slot.



4. The clicking sound indicates that the wire is terminated and automatically cut to length in the process.

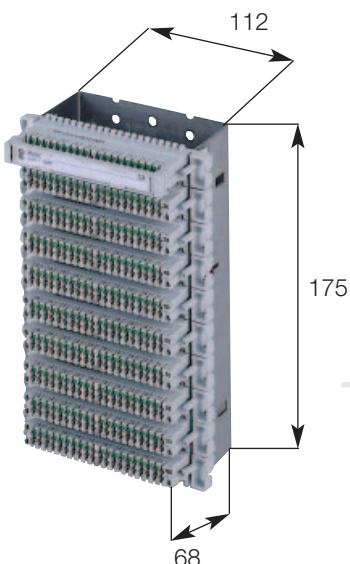
# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

**Type/Order text**

**Ref.-No.**



**Quante SID-C disconnection block 100 pair**

**15-100-00700**

- Each block is equipped with:
- 10 disconnection modules (10 pair)
  - 1 label holder
  - 1 plug in numbers 10-100
  - 1 mounting material
  - 1 backmount frame

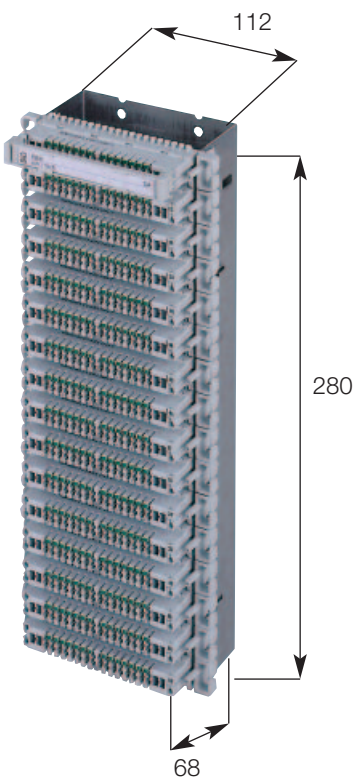
PU: 1 pc  
Weight: 0,8 kg

**Quante SID-C connection block**

**10-100-00700**

- Each block is equipped with:
- 10 connection modules (10 pair)
  - 1 label holder
  - 1 plug in numbers 10-100
  - 1 mounting material
  - 1 backmount frame

PU: 1 pc  
Weight: 0,8 kg



**Quante SID-C disconnection block 128 pair**

**15-628-00200**

- Each block is equipped with:
- 16 disconnection modules (8 pair)
  - 1 label holder
  - 2 plugs in numbers 8-64
  - 1 mounting material
  - 1 backmount frame

PU: 1 pc  
Weight: 1,2 kg

SID-C blocks for Cross Connection Cabinets see page 215

## 1.1 Narrowband Application

### 1.1.2 Small and medium size MDF

# Quante™ SID™ system

#### Type/Order text

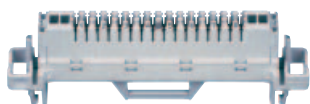
#### Ref.-No.

### Quante SID-C modules

Dimensions (LxWxD): 112 x 17,3 x 37 mm, minimum vertical pitch: 17,5 mm

#### SID-C connection modules

Colour: grey



#### connection module for 8 pair

numbered 1...8  
black printing  
PU: 5 pcs, Weight: 0,35 kg

79101-561 00



#### connection module for 10 pair

numbered 1...0  
black printing  
PU: 5 pcs, Weight: 0,35 kg

79101-553 00

#### SID-C disconnection modules

Colour: grey



#### disconnection module for 8 pair

numbered 1...8  
green printing  
PU: 5 pcs, Weight: 0,35 kg

79103-540 00



#### disconnection module for 10 pair

numbered 1...0  
green printing  
PU: 5 pcs, Weight: 0,35 kg

79103-534 00



#### disconnection module jelly filled version with dust cover for 10 pair

green printing  
PU: 5 pcs, Weight: 0,35 kg

79103-534 35



#### abs circuit disconnection module 8xabs

for 3-wire circuits 8x3 with wire guide housing left and right  
green printing  
PU: 5 pcs, Weight: 0,70 kg

79103-576 30

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

**Type/Order text**

**Ref.-No.**

**Quante SID-C modules**

Dimensions (LxWxD): 112 x 17,3 x 37 mm, minimum vertical pitch: 17,5 mm

**SID-C disconnection modules**

Colour: grey

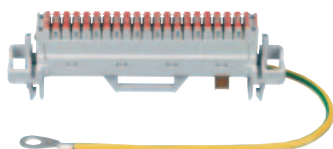


**abs circuit disconnection module 8xabs**  
for 3-wire circuits 8x3  
green printing  
PU: 5 pcs, Weight: 0,70 kg

79103-577 30

**SID-C earthing module**

Colour: grey



**earthing module for 40 wires**  
red printing  
PU: 10 pcs, Weight: 0,70 kg

79101-567 00

**SID-C switching modules (permanently open contacts)**

Colour: brown



**switching module for 8 pair**  
numbered 1...8  
white printing  
PU: 5 pcs, Weight: 0,35 kg

79105-501 00

**switching module for 10 pair**  
numbered 1...0  
white printing  
PU: 5 pcs, Weight: 0,35 kg

79105-500 00



# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

#### Type/Order text

#### Ref.-No.

#### Quante SID-CT modules

The SID-CT is suitable for LSA PLUS backmount frames.  
Dimensions (LxWxD): 124 x 17,3 x 37 mm, minimum pitch: 17,5 mm and 22,5 mm  
(for legacy networks)

#### SID-CT connection modules

Colour: grey



#### connection module for 8 pair

numbered 1...8  
black printing  
PU: 5 pcs, Weight: 0,35 kg

79101-588 00

#### connection module for 10 pair

numbered 1...0  
black printing  
PU: 5 pcs, Weight: 0,35 kg

79101-589 00

#### SID-CT disconnection modules

Colour: grey



#### disconnection module for 8 pair

numbered 1...8  
green printing  
PU: 5 pcs, Weight: 0,35 kg

79103-564 00

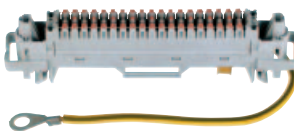
#### disconnection module for 10 pair

numbered 1...0  
green printing  
PU: 5 pcs, Weight: 0,35 kg

79103-557 00

#### SID-CT earthing module

Colour: grey



#### earthing module for 40 wires

red printing  
PU: 10 pcs, Weight: 0,70 kg

79101-591 00

#### SID-CT switching modules (permanently open contacts)

Colour: brown



#### switching module for 8 pair

numbered 1...8  
white printing  
PU: 5 pcs, Weight: 0,35 kg

79105-502 00

#### switching module for 10 pair

numbered 1...10  
white printing  
PU: 5 pcs, Weight: 0,35 kg

79105-503 00

## 1.1 Narrowband Application

### 1.1.2 Small and medium size MDF Quante™ SID™ system

#### Description

#### Quante SID protection for overvoltage solutions

##### Instruction

The SID overvoltage protection magazines are designed for the 8/10 pair SID-C/CT/CD modules for use in telecommunications circuits. Earthing of the overvoltage protection magazine is achieved through the magazine to the back-mount (backmount earth connection). It must be earthed according to the country regulations.

The magazine is inserted into the test access contacts. Standard surge arresters are used in the magazines. If necessary fail-safe devices can also be inserted. Dust covers can also be used with magazines installed.

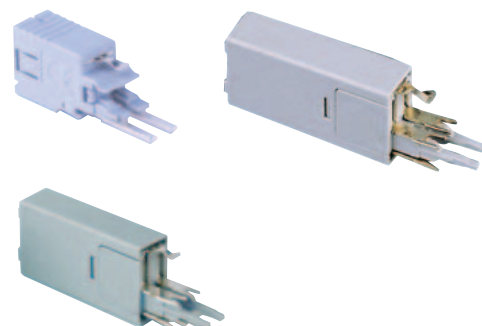
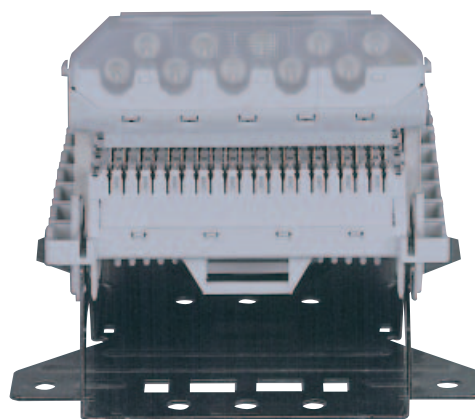
As a result of the SID-system philosophy, SID-SPP makes it possible to individually protect DIN-connections and terminal strips (SID-CD).

The SID-SPP is designed to give protection to the equipment. Testing of the circuit and jumper re-termination can be carried out with the SID-SPP in-situ.

There are three different application specific versions of the SID-SPP, protection concept making it the ideal solution for the most varied in-house and telecom network connection demands.

##### Highlights:

- one overvoltage protection magazine for 8 or 10 pair modules
- magazines for 3pole surge arrester
- surge arrester with and without fail-safe
- single pair protection plugs (SPP)



# 1.1 Narrowband Application

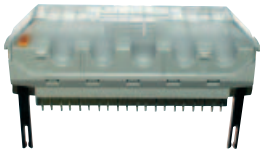
## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

#### Type/Order text

#### Ref.-No.

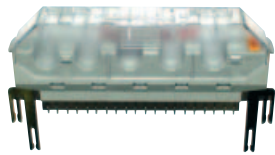
#### Quante SID protection for overvoltage solutions



#### SID-C overvoltage protection magazine for 3-pole surge arrester

79126-510 00

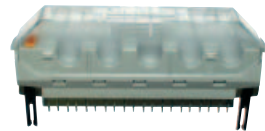
for insertion in 8/10 pair SID modules, Dimensions (L x W x D): 98 x 17,3 x 31,5 mm incl. cover. PU: 10 pcs, Weight: 0,5 kg



#### SID-CT overvoltage protection magazine for 3-pole surge arrester

79126-512 00

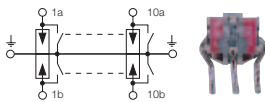
for insertion in 8/10 pair SID modules, Dimensions (L x W x D): 98 x 17,3 x 31,5 mm incl. cover. PU: 10 pcs, Weight: 0,5 kg



#### SID-CD/SID-CP overvoltage protection magazine for 3-pole surge arrester

79126-511 00

for insertion in 8/10 pair SID modules, Dimensions (L x W x D): 98 x 17,3 x 31,5 mm incl. cover. PU: 10 pcs, Weight: 0,5 kg



#### 3-pole surge arrester without fail-safe

39081-728 00

230V - 2x 10A / 2x10kA. PU: 100 pcs, Weight: 0,23 kg

#### 3-pole surge arrester with integrated fail-safe

05-661-02600

230V - 2x 5A / 2x5kA; n (100 °C) ts ≤ 10 s  
PU: 100 pcs, Weight: 0,35 kg

#### 3-pole surge arrester with integrated fail-safe

05-661-02800

230V - 2x 10A / 2x10kA; n (100 °C) ts ≤ 10 s  
PU: 100 pcs, Weight: 0,35 kg



#### Extraction tool

79397-515 00

for removal of overvoltage protection magazines  
PU: 1 pc, Weight: 0,03 kg



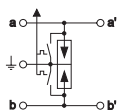
#### SID-SPP earthing rails

SID-C, PU: 1 pc, Weight: 0,008 kg/1 for 8/10 pair

79114-542 00

SID-CD/CP, PU: 1 pc, Weight: 0,008 kg/1 for 8/10 pair

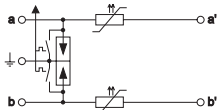
79114-544 00



#### SID-SPP 230 V/G, 1-pair overvoltage protection plug, Primary protection with integrated fail-safe.

79104-505 00

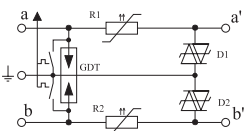
Weight: 0,32 kg



#### SID-SPP 230 V/GS, 1-pair overvoltage and current protection plug, with integrated fail-safe.

79104-508 00

Weight: 0,32 kg



#### SID-SPP 185 V/GFS, 1-pair ultra fast overvoltage and current protection plug. With integrated fail-safe.

79104-507 00

Weight: 0,32 kg



#### SID-SPP 230 V/GSI, 1 pair overvoltage and current protection with 2,5 A fuse current protection with switch-up primary protection with integrated fail-safe

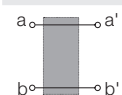
79104-511 00



#### SID-SPP 230 V/G abs, 1 pair overvoltage protection plug for SID-C abs modules

79104-510 00

primary protection with integrated fail-safe.  
No additional earthing rail necessary



#### SID connection plug for SID switching modules

79072-511 00

# 1.1 Narrowband Application








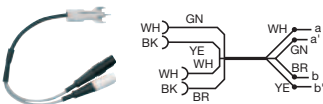


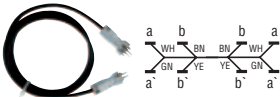
## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

Type/Order text

Ref.-No.

Quante SID accessories

	<b>SID label holder</b> plug-in type, for 10-pair SID module PU: 1 pc, Weight: 0,005 kg	<b>79156-516 00</b>
	<b>SID module label holder</b> for all SID-C Backmount frames	<b>with earthing socket</b> <b>79156-518 00</b> <b>without earthing socket</b> <b>79156-519 00</b>
	<b>SID label holder for 8x3 abc module</b> PU: 5 pcs	<b>79156-521 30</b>
	<b>SID-standard insertion tool</b> for connection of wires; insertion Colour: red, PU: 1 pc, Weight: 0,070 kg	<b>79397-512 00</b>
	<b>SID-comfort tool</b> scissors acting, PU: 1 pc, Weight: 0,07 kg	<b>79397-519 00</b>
	<b>SID scissor kit</b> for Impact tool PU: 10 pcs	<b>79027-524 00</b>
	<b>SID Earthing Rail</b> for parallel connection of wires / pair, PU: 10 pcs	<b>79114-536 00</b>
	<b>Test plug kit, 4-poles</b> , with separate contacts, solderable a b a' b'	<b>79096-533 00</b>
	<b>Test cord, 2-poles</b> with 2 banana sockets, PU: 1 pc, Weight: 0,016 kg	<b>79054-552 00</b>
	<b>Test cord, flex, 4-poles</b> with 4 banana sockets, PU: 1 pc, Weight: 0,2 kg	<b>79054-567 00</b>
	<b>Cord flex 4-poles single ended</b> Length: 1,5 m PU: 1 pc	<b>79054-571 00</b>
	<b>SID patch cord, 4-poles</b> with two plugs with separate contacts Length: 1 m, Weight: 0,03 kg Length: 2 m, Weight: 0,05 kg Length: 4 m, Weight: 0,11 kg PU: 1 pc	<b>79054-561 00</b> <b>79054-561 25</b> <b>79054-561 26</b>

# 1.1 Narrowband Application




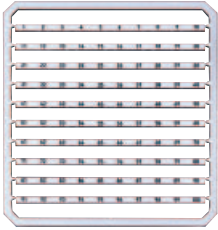

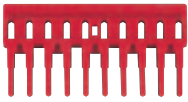




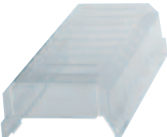
## 1.1.2 Small and medium size MDF

### Quante™ SID™ system

#### Type/Order text

#### Ref.-No.

#### Quante SID accessories

	<b>Adapter cord SID-QSA</b> PU: 1 pc		<b>79054-570 00</b>
	<b>Switching adapter for 1 pair</b> PU: 100 pcs, Weight: 0,2 kg		<b>79058-502 00</b>
	<b>for 10 pair</b> PU: 10 pcs, Weight: 0,14 kg		<b>79058-503 00</b>
	<b>Cover strips for 10 pair</b>  for disconnection modules for disconnection modules for disconnection modules for connection modules for connection modules for connection modules PU: 1 pc, Weight: 0,01 kg	<b>1- 10 green</b> <b>1- 64 green</b> <b>1-100 green</b> <b>1- 10 grey</b> <b>1- 64 grey</b> <b>1-100 grey</b>	<b>79169-516 26</b> <b>79169-515 26</b> <b>79169-517 26</b> <b>79169-516 28</b> <b>79169-515 28</b> <b>79169-517 28</b>
	<b>Disconnection plug for 1 pair</b> PU:100 pcs, Weight: 0,3 kg	<b>red</b> <b>white</b> <b>brown</b>	<b>79122-544 00</b> <b>79122-544 25</b> <b>79122-544 30</b>
	<b>for 5 pair</b> PU: 20 pcs, Weight: 0,06 kg	<b>red</b> <b>brown</b>	<b>79122-545 00</b> <b>79122-545 30</b>
	<b>Dummy plug for 1 pair</b> PU: 100 pcs Weight: 0,03 kg	<b>red</b> <b>green</b> <b>black</b>	<b>79122-543 00</b> <b>79122-543 26</b> <b>79122-543 29</b>
	<b>Plug-in numbers</b> PU: 1 pc, Weight: 0,001 kg	<b>10- 100 grey</b> <b>1- 0 grey</b>	<b>79170-503 26</b> <b>79170-503 28</b>
	<b>Marking caps</b> PU: 100 pcs Weight: 0,006 kg	<b>red</b> <b>green</b> <b>black</b>	<b>79004-506 00</b> <b>79004-506 26</b> <b>79004-506 29</b>
	<b>Marking strip for 10 pair</b> allowing testing and disconnection PU: 10 pcs Weight: 0,010 kg	<b>red</b> <b>green</b> <b>grey</b> <b>black</b>	<b>79169-510 00</b> <b>79169-510 26</b> <b>79169-510 28</b> <b>79169-510 29</b>
	<b>SID-C Dust cover, PU: 1 pc</b>  <b>Pitch: 17,5 mm, 100 pair</b> Weight: 0,098 kg		<b>15014-505 00</b>

## 1.1 Narrowband Application

### 1.1.2 Small and medium size MDF

# Quante™ BSTG / Quante™ STG overview

#### Description

#### Quante STG 2000 blocks

The BSTG block with STG 2000 modules is a modular cat.5 transmission performance MDF solution. Suitable for line side and exchange side the BSTG blocks (with a pitch of 16mm) is the highest density system on the market.

1600 pair can be installed on a 2,6 m vertical.

A comprehensive range of single pair or multipair protection is available.

#### Highlights:

- Cat. 5 transmission performance
- Very compact system
- High density
- 0,4 - 0,8 mm wire diameter



#### Quante STG 2000 modules: cat. 5 transmission performance as standard

These modules can be used in any modern network and are fully compatible with applications such as xDSL or Pair gain. Suitable for high-density applications STG2000 is available in two different mounting options:

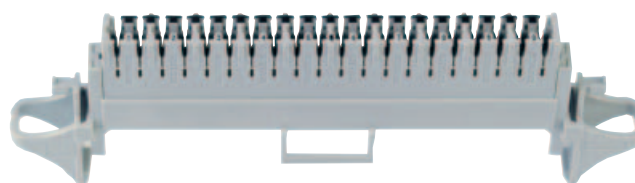
- Mounting on our standard backmount frame.
- Mounting on both the standard and the QSA backmount frame.

The system offers connection and disconnection modules as well as switching modules in 8 and 10 pair version.

Protection can be provided by single pair protection or multipair facility.

#### Highlights:

- Cat. 5 as standard
- Pitch of 16 mm
- 0,4 - 0,8mm wire diameter
- Comprehensive range of circuits and accessories



## 1.1 Narrowband Application

### 1.1.2 Small and medium size MDF Quante™ BSTG system

#### Type/Order text

#### Ref.-No.

#### Quante STG 2000 system



#### with protection facility for OVP Magazines

##### **BSTG2 - C210P100P E55 + 1PE**

100 pair disconnection block (ivory casing)  
1 label holder

**C252837A0000**

#### with protection facility for Single pair protection plugs

##### **SOR CH BSTG C2 10 100PU cat 5**

100 pair disconnection block for single pair protection plugs

**C223091A0000**

#### without protection facility

##### **BSTG C2.10.100 E55 + 1PE**

100 pair disconnection block (ivory casing)  
1 label holder

**C252840A0000**

##### **BSTG C2.8.128 E55 + 2PE**

128 pair disconnection block (ivory casing)  
2 label holders

**C252841A0000**



## 1.1 Narrowband Application

### 1.1.2 Small and medium size MDF Quante™ STG 2000 overview

#### Description

#### Quante STG 2000 modules

STG 2000 is the last evolution of STG range of connection modules. This module offers category 5 transmission performance as a standard. As a result this module can be used in any modern network and is fully compatible with all kind of applications (xDSL, Pair gain...). Termination is easy, cables and jumpers can be managed from the rear or from the side.

#### Reliability and performance Straight IDC technology offers outstanding performances:

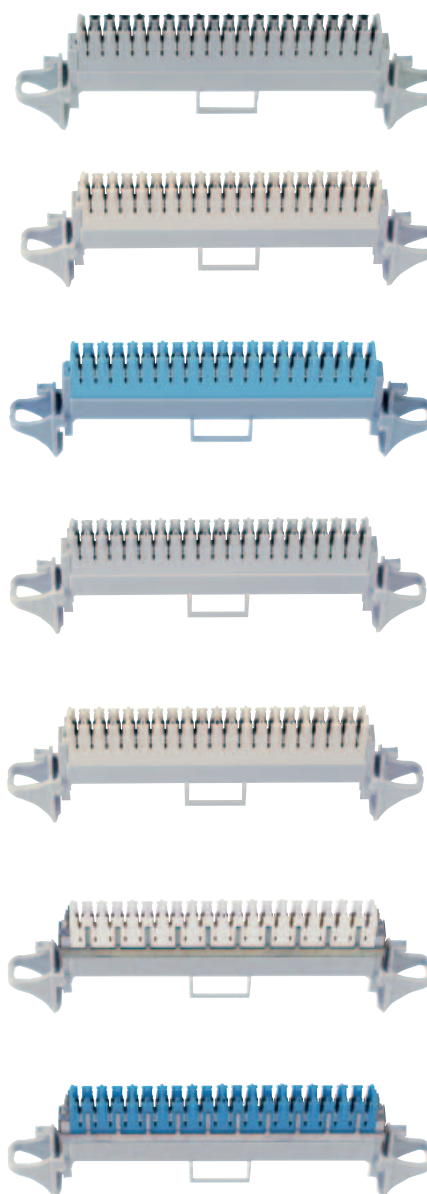
- Multiple reterminations with all kinds of conductor gauges in the 0,4 mm to 0,8 mm range
- Improved wire retention (in all directions)
- Gas-tight connection area - corrosion proof
- Tin-lead plating on contacts prevents corrosion
- Transmission performances meet cat 5 (100 MHz)
- 2 wires can be accommodated in the same slot
- Very compact connection module
- Specific contacts for stranded wires upon request.

#### Application in network

- Suitable for high-density installation (2400 pair single sided cross connection cabinets, 1600 pairs on 2,6 meter vertical MDF, containerised exchanges...)
- STG 2000 modules are suitable for public telephony (MDF, cross connection cabinets, building distribution) as well as for private telephony and high data rates transmission.

#### Highlights:

- Category 5 as a standard
- Very compact size (16 mm pitch)
- 0,4 - 0,8 mm wires
- Optional IDC for stranded wires (on request)
- Specific module with rear cable termination
- Multiple reterminations
- Comprehensive range of protection circuits and accessories








# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 overview

#### Technical characteristics

Circuit →	Insulation Displacement Contacts IDC		
	Quante STG U	Quante STG C	Quante STG O
Function and accessories ↓			
Type of contact			
Continuity (normally closed circuit)	•	•	
Normally opened circuit			•
Parallel test	•	•	•
Serial test		•	•
T-connection	(1)	(1)	(1)
Disconnection		•	
Protection magazine	• (2)	• (2)	• (2)
Single pair protection plugs		• (3)	• (3)
Multipair parallel test		•	•
Fuse protection			•
Transmission performance	cat. 5	cat. 5	cat. 5

(1) T-connection: two wires in the same slot

(2) modules with earth contacts

(3) connection modules with earth grid

#### Instructions to read product abbreviations (example: STG C2 10 P)

STG : type of module

C : type of circuit (C, U, O)

2 : IDC

10 : 10 pair (8 for 8 pair)

P : contacts for automatic earthing (for protection magazine)

PU : earthing grid for single pair protection plugs



# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF





### Quante™ STG 2000 system

Type/Order Text	Ref.-No.
<b>Quante STG 2000 for Quante backmount frame</b>	
Colour: light grey base	
Dimensions (LxWxD): 126 x 14 x 50 mm (8 pair)	
146 x 14 x 50 mm (10 pair)	
<b>connection modules</b>	
light grey casing	
<b>STG2 U2 8</b>	C252806A0000
numbered 1...8 on jumper side	
<b>STG2 U2 10</b>	C252824A0000
numbered 1...10 on jumper side	
<b>disconnection modules</b>	
white casing	
<b>STG2 C2 8</b>	C252800A0000
numbered 1...8 on jumper side	
<b>STG2 C2 10</b>	C252818A0000
numbered 1...10 on jumper side	
<b>switching modules</b>	
light blue casing	
<b>STG2 O2 8</b>	C252812A0000
numbered 1...8 on jumper side	
<b>STG2 O2 10</b>	C252830A0000
numbered 1...10 on jumper side	
<b>connection modules with multipair protection facility</b>	
light grey casing	
<b>STG2 U2 8 P</b>	C252807A0000
numbered 1...8 on jumper side	
<b>STG2 U2 10 P</b>	C252825A0000
numbered 1...10 on jumper side	
<b>disconnection modules with multipair protection facility</b>	
white casing	
<b>STG2 C2 8 P</b>	C252801A0000
numbered 1...8 on jumper side	
<b>STG2 C2 10 P</b>	C252819A0000
numbered 1...10 on jumper side	
<b>switching modules with multipair protection facility</b>	
light blue casing	
<b>STG2 O2 10 P</b>	C252831A0000
numbered 1...10 on jumper side	
<b>disconnection modules with single pair protection facility</b>	
white casing	
<b>STG2 C2 8 PU</b>	C252802A0000
numbered 1...8 on jumper side	
<b>STG2 C2 10 PU</b>	C252820A0000
numbered 1...10 on jumper side	
<b>switching modules with single pair protection facility</b>	
light blue casing	
<b>STG2 O2 8 PU</b>	C252814A0000
numbered 1...8 on jumper side	
<b>STG2 O2 10 PU</b>	C252832A0000
numbered 1...10 on jumper side	

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 system

Type/Order text	Ref.-No.
<b>Quante STG 2000 for Quante and QSA backmount frames</b>	
Colour: light grey base Dimensions (LxWxD): 113x 15,9 x 50 mm (8 pair) 133 x 15,9 x 50 mm (10 pair)	
	<b>connection modules</b> light grey casing <b>STG2 U2 K8</b> numbered 1...8 on jumper side
	C252809A0000
	<b>STG2 U2 K10</b> numbered 1...10 on jumper side
	C252827A0000
<b>disconnection modules</b>	
	white casing <b>STG2 C2 K8</b> numbered 1...8 on jumper side
	C252803A0000
	<b>STG2 C2 K10</b> numbered 1...10 on jumper side
	C252821A0000
<b>connection modules with multipair protection facility</b>	
	light grey casing <b>STG2 U2 K8 P</b> numbered 1...8 on jumper side
	C252810A0000
	<b>STG2 U2 K10 P</b> numbered 1...10 on jumper side
	C252828A0000
<b>disconnection modules with multipair protection facility</b>	
	white casing <b>STG2 C2 K8 P</b> numbered 1...8 on jumper side
	C252804A0000
	<b>STG2 C2 K10 P</b> numbered 1...10 on jumper side
	C252822A0000

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 system

#### Description

#### Quante STG 2000 protection solutions

Protection solutions for STG are composed of multi pair protection magazines as well as of a complete range of single pair protection plugs.

##### Protection magazine

Front facing magazines suitable for all IDC STG connection modules and BSTG modular blocks, with the relevant protection facilities.

Automatic earthing through the backmount frame - 5 kA drain current capacity.

Magazine with earth cord for upgrading standard connection modules or blocks with protection.

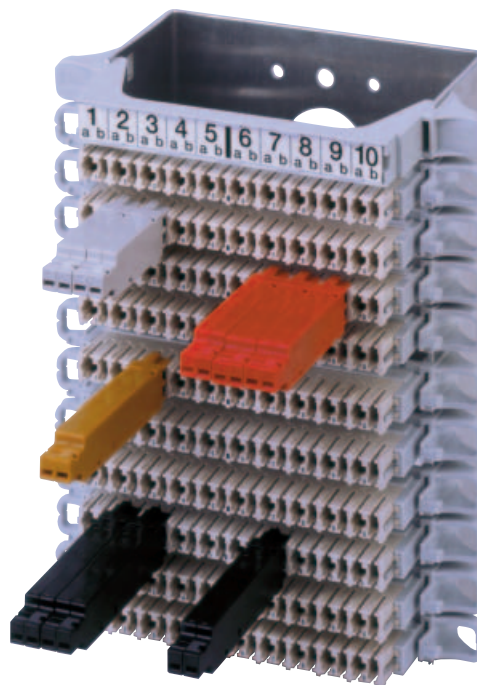
##### Single pair protection plugs

This range of single pair protection modules is designed to increase flexibility in network management (protection can be removed separately only on faulty lines).

Wide range of protection circuits is available, from standard overvoltage protection, to overvoltage and current protection, up to fast 5 pole protection. A disconnection access on the protection plugs allows using all STG disconnection and test accessories without removing protection.

1 circuit = 1 colour

Single pair protection modules are suitable for the standard 16 mm pitch.



##### Highlights:

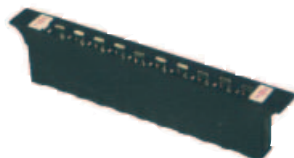
- Comprehensive range of protection
- Fast 5 pole protection
- Compact design
- Automatic earthing

#### Type/Order text

#### Ref.-No.

#### Quante STG protection for overvoltage solutions

##### Quante STG protection magazines



##### Magazine for STG/BSTG with protection facility

**without arresters**  
10 pair magazine

C233726B0000

**with 250 V arrester** with fail-safe  
8 pair magazine  
10 pair magazine

C233736B0000  
C233740B0000

**with 350 V arrester** with fail-safe  
10 pair magazine

C233741B0000

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 system

#### Type/Order text

#### Ref.-No.

### Quante STG protection for overvoltage solutions

#### Quante STG protection magazines

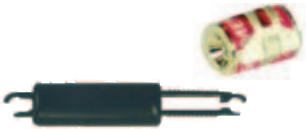


**Magazines with 0,75 m earthing cord**  
(for standard STG/BSTG without protection facility)

**without arresters**  
**8 pair magazine**  
**10 pair magazine**

**C233727C0000**  
**C233728B0000**

#### Surge arresters for protection magazine and tool



**3-pole arrester** with fail-safe  
**250 V**  
**350 V**

**C231039A0000**  
**C231040A0000**

**Combined insertion/extraction tool**  
**for protection magazine**

**C222053A0000**

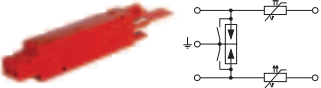
#### Single pair protection plugs



#### **SOR PU 1C**

Single pair protection plugs for STG with earthing grid (STG PU) with test and disconnection facility  
Overvoltage protection 250 V (grey)

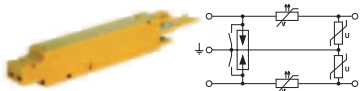
**C233796A0000**



#### **SOR PU 2C**

Overvoltage (250 V) and current protection (PTCRs)  
(orange)

**C233797A0000**



#### **SOR PU 3C (varistors)**

Fast 5 pole (varistors) overvoltage and current protection  
(yellow)

**C233798A0000**



# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 system

Type/Order text		Ref.-No.
Quante STG accessories		
	<b>Disconnection plugs</b> Bag of 100 disconnection plugs (red)	C222909A0000
	<b>Serial display plug/1 network line</b>	C242628A0000
	<b>Multiple parallel test plug</b> 10 pair, test plug	C222059A0000
	<b>PCB type test cords, 3m</b> <b>Parallel test cord 2 wires</b> with banana plugs <b>Serial test cord 4 wires</b> with banana plugs silver coated	C222048B0000 C222014B0000
	<b>PCB type patch cords</b> 4 wire cord, 3 m 2 wire cord, 3 m 2 wire cord, 2 m (single-sided PCB) wire cord, 1 m (single-sided PCB)	C222024B0000 C222025B0000 C242612A0000 C242611A0000
	<b>Test cords with plugs, 1,5 m</b> <b>Serial test plug, 4 wires 1 plug + 4 cable terminals</b> 4 wire cord 1 plug on each end	MPA025DB0000 MPA025EB0000
	<b>Parallel test plug for RJ 11 connector</b>	MPA0781A0000
	<b>Label-holders</b> Bag of 100 side label-holders with blank label (space for 3 digits) with marked label from 000 to 100	C222903A0000 C222918A0000
	<b>Plug-in numbers</b> Colour: grey PU: 1 pc Weight: 0,001 kg	10-100 1- 0 79170-503 26 79170-503 28
	<b>Label-holder numbered from 1 to 8 or from 1 to 10</b> (to be clipped onto Quante-Pouyet backmount frame) <b>Base 8 pair</b> <b>Base 10 pair</b> (packaging: 20 elements)	C220673B0000 C220674B0000
	<b>Bag of 10 swivelling label-holders</b> (not compatible with patch cords and wire-wrap modules) <b>Base 8 pair</b> <b>Base 10 pair</b>	C222950A0000 C222951A0000

# 1.1 Narrowband Application

## 1.1.2 Small and medium size MDF

### Quante™ STG 2000 system

#### Type/Order text

#### Ref.-No.

#### Quante STG accessories



**CKD test plugs**  
**Serial test plug (CKD)**  
**Parallel test plug (CKD)**

**M004725A0000**  
**M004726A0000**



**Bag of 100 marking caps: (black)**  
 marked from 0 to 9 (ten caps marked "0", ten caps marked "1",  
 ten caps marked "2", etc.)

**Black**  
**Grey**  
**Red**  
**Yellow**  
**Blue**  
**Green**

**C222916B0000**  
**C222920A0000**  
**C222921A0000**  
**C222922A0000**  
**C222923A0000**  
**C222924A0000**  
**C222925A0000**

**Bag of 100 marking caps marked from 0 to 9**  
 (to be clipped onto the side of the module) black digits

**C222917A0000**



**Dust cover**  
 Compatible with all modules with or without the protection  
 magazines  
**10 pair modules or blocks**  
 Length: 10 x 16 mm, i.e. **100 pair**

**C222963A0000**



**Miscellaneous**  
 Bag of 20 sets of 2 wire-guide channels for 8 pair modules  
 (to be clipped on both sides of the modules)

**C223765A0000**



**Impact tools for IDC**  
 To terminate and remove wires from IDC  
 PU: 1 unit  
**For IDC system STG**  
**For IDC system STG, QSA and system 71**  
**For IDC system STG, SID, QSA and system 71**

**C234030A0000**  
**C234037A0000**  
**C234049A0000**

**Set of 10 spare blades**  
 for STG system IDC tool

**C234043A0000**



# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect Overview

### Description

#### QSA Series 1

Connection modules for screw fixing in small distribution units. The fixing dimensions of the connection modules for 10 or 20 pairs (colour: grey) are 96 or 170 mm according to DIN 47608 (part 1 and 2). The earthing strips (colour: red) for 44 or 84 wires complete the product range.



QSA Series 1  
10 pair connection module

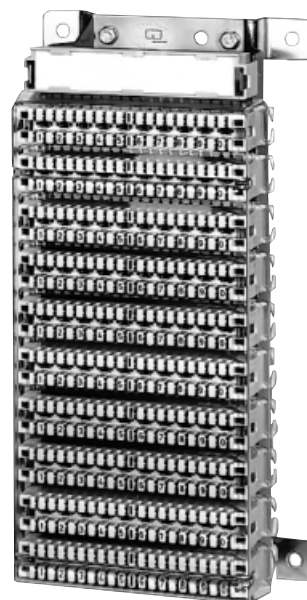


QSA Series 1  
20 pair connection module

#### QSA Series 2

Connection and disconnection modules for mounting on back mount frames. The following types of modules are available:

- 10 pairs connection modules (colour: grey) for overvoltage protection magazines.
- 10 pairs disconnection modules (colour: white) for overvoltage and fine protection.
- Earthing modules (colour: red) for 38 wires.



QSA Series 2  
connection/disconnection modules  
100 pair distribution block

### Technical Data QSA Series 1

Connection modules:	•
Disconnection modules:	—
Earthing modules:	•
10 pair modules:	•
20 pair modules:	•
Wire diameter in mm:	0.40 - 0.80
Overall diameter in mm (over insulation):	0.70 - 1.50
Number of reterminations: ≤ 0,65 wire-Ø	> 50 x
Number of reterminations: 0,8 wire-Ø*	≤ 50 x
Contact material: special brass	•
Contact surface: 3 - 5 µm Silver	•
Housing material: PBT	•
Flame protection: UL 94 V0	•
Insulation resistance: 5x10 <sup>4</sup> MΩ	•
Volume resistance: < 10 mΩ	•
Dielectric strength: 2kV <sub>eff</sub> /50Hz	•

### Technical Data QSA Series 2

Connection modules:	•
Disconnection modules:	•
Earthing modules:	•
10 pair modules:	•
20 pair modules:	—
Wire diameter in mm:	0.40 - 0.80
Overall diameter in mm (over insulation):	0.70 - 1.50
Number of reterminations: ≤ 0,65 wire-Ø	> 50 x
Number of reterminations: 0,8 wire-Ø*	≤ 50 x
Contact material: special brass	•
Contact surface: 3 - 5 µm Silver	•
Housing material: PBT	•
Flame protection: UL 94 V0	•
Insulation resistance: 5x10 <sup>4</sup> MΩ	•
Volume resistance: < 10 mΩ	•
Dielectric strength: 2kV <sub>eff</sub> /50Hz	•



# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect System

Type/Order text

Ref.-No.

### Quante IDC modules and accessories series 1



**Connection module**  
for 10 pairs  
Colour: grey, Numbered 1-0

79101-517 00

**Earthing module**  
for 44 wires  
Colour: red  
Dimensions (L x W x D): 105 x 26 x 21.5 mm  
Mounting dimension: 96 mm

79101-533 00



**Connection module**  
for 20 pairs  
Colour: grey, Numbered 2 x 1 - 0

79101-518 00

**Earthing module**  
for 84 wires  
Colour: red,  
Dimensions (L x W x D): 178 x 26 x 25.5 mm  
Mounting dimension: 170 mm

79101-534 00



**Labelling frame**  
for 10 pairs module  
Marking surface: 85 x 15 mm

79156-505 00



**Labelling frame**  
for 20 pairs module  
Marketing surface: 160 x 15 mm

79156-506 00

**Test cord**  
2 poles, with jacks for banana plugs  
length: 0.2 m (without figure)

79054-555 00

# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect System



**Type/Order text**

**Ref.-No.**

Quante IDC modules and accessories series 2



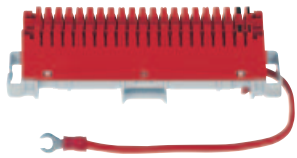
**Connection module**  
for 10 pairs  
standard  
Colour: grey, Numbered 1 - 0.  
Dimensions (L x W x D): 123 x 18 x 39 mm

**79101-510 50**



**Disconnection module**  
for 10 pairs  
standard  
Colour: white, Numbered 1 - 0,  
Dimensions (L x W x D): 123 x 18 x 39 mm

**79103-510 40**



**Earthing module**  
for 38 wires  
Colour: red, Connection cable,  
Dimensions (L x W x D): 123 x 18 x 39 mm

**79101-516 00**



**Labelling frame**  
With clear cover and marking strip  
(neutral) 95 x 17 mm,  
Dimensions (L x W x D): 108 x 21 x 24 mm

**79156-501 00**



**Labelling frame**  
Plug-in, hinged, with clear cover,  
with marking strip (neutral) 103 x 11 mm,  
Dimensions (L x W x D): 110 x 17 x 8 mm

**79156-503 25**



**Insertion tool**  
for connecting of the wires,  
Dimensions (L x W x D): 176 x 37 x 21 mm  
For wire diameter: 0.4 - 0.8 mm  
AWG 26 - 20

**79397-500 27**

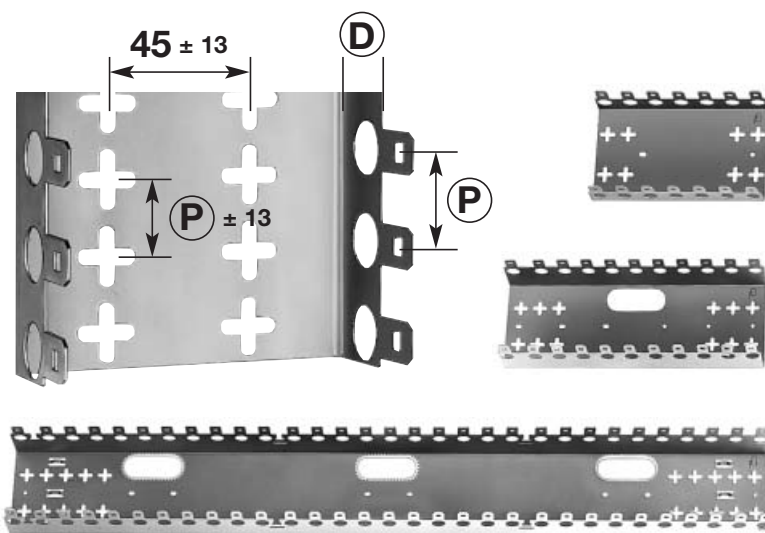
# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect System

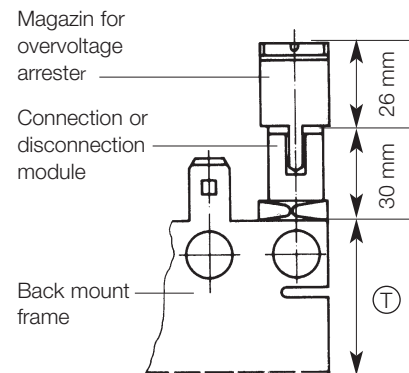
Pitch (P)	Depth (D)	LH*	Dimensions (L x W x D)	Version	Ref.- No.
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### Backmount frames series 2

25 mm	22 mm		45 x 105 x 42 mm	for 2 modules	<b>79151-533 00</b>
			70 x 105 x 42 mm	for 3 modules	<b>79151-534 00</b>
			170 x 105 x 42 mm	for 7 modules	<b>79151-536 00</b>
27,5 mm	22 mm		111 x 105 x 42 mm	for 4 modules	<b>79151-502 25</b>
		LH*	358,8 x 105 x 42 mm	for 13 modules	<b>79151-505 25</b>
	30 mm		156 x 105 x 50 mm	for 6 modules	<b>79151-506 25</b>
		LH*	246 x 105 x 50 mm	for 9 modules	<b>79151-507 25</b>
		LH*	268,5 x 105 x 50 mm	for 10 modules	<b>79151-508 25</b>
		LH*	291 x 105 x 50 mm	for 11 modules	<b>79151-509 25</b>
		LH*	358,5 x 105 x 50 mm	for 13 modules	<b>79151-510 25</b>
		49 mm		300 x 105 x 69 mm	for 1 x 10 + 1 module
			580 x 105 x 69 mm	for 2 x 10 + 1 module	<b>79151-512 25</b>
			860 x 105 x 69 mm	for 3 x 10 + 1 module	<b>79151-513 25</b>
	1575 x 105 x 69 mm		for 55 + 1 module	<b>79151-550 00</b>	
22,5 mm	49 mm		253 x 105 x 69 mm	for 1 x 10 + 1 module	<b>79151-511 00</b>
			486 x 105 x 69 mm	for 2 x 10 + 1 module	<b>79151-512 00</b>
			719 x 105 x 69 mm	for 3 x 10 + 1 module	<b>79151-513 00</b>



Dimension scheme of overall heights



\*version of back mount frames with long hole (LH) on the back 30x70mm. Delivered with 4 screws M4x8 with spring locks

# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect System

### Description

#### Cable terminal blocks series 2

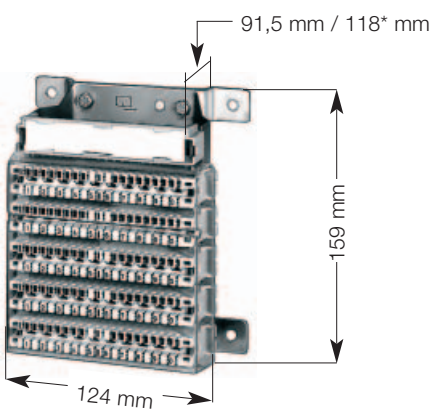
Cable head block for cabinets with vertical frame. The backmount frames are designed to accommodate either grease filled distribution cables or air pressured main cables with casted pressure blocking kit. Comes with rear cable entry holes and protective grommet. Cable strength relieve is provided with enclosed accessories. Cable designation label and fixing material included.

#### Delivery content:

- Backmount frames (stainless steel);
- fitted with:
- 5 or 10 connection or disconnection modules for each 10 pairs, numbered 1 - 0;
- 1 dust cover, flat version for 100 pairs, high version for 50 pairs,;
- 1 labelling frame;
- 1 plug-in number set;
- 2 edge protection;
- 1 fixing set for mounting.

### Type/Order text

### Ref.-No.



#### Connection block / 50 pairs

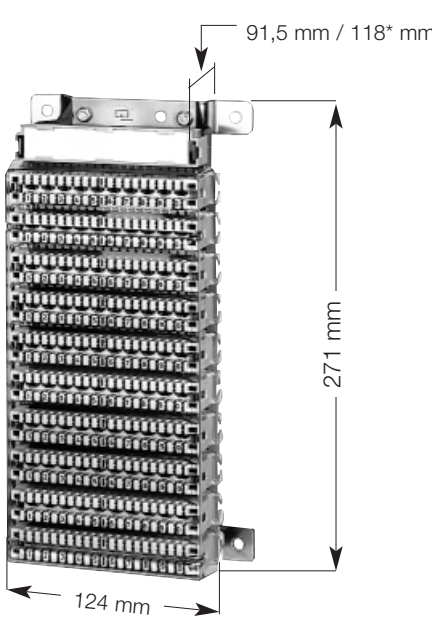
with 5 connection modules 10 pairs

10-550-00140

#### Disconnection block / 50 pairs

with 5 disconnection modules 10 pairs

15-450-00140



#### Connection block / 100 pairs

with 10 connection modules 10 pairs

10-600-00140

#### Disconnection block / 100 pairs

with 10 disconnection modules 10 pairs

15-500-00140


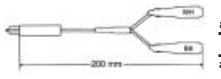

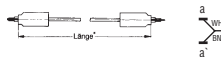




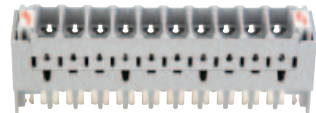
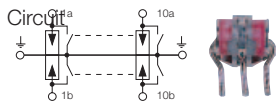
# 1.1 Narrowband Application

## 1.1.2 Quante™ QSA Cross Connect System

### Type/Order text

### Ref.-No.

#### Accessories series 2

	<p>Circuit: <b>Test plug kit</b> with connection contacts, solderable <b>2 poles</b></p>	<p><b>79096-500 00</b></p>
	<p>with disconnected contacts, solderable <b>4 poles</b></p>	<p><b>79096-501 00</b></p>
	<p><b>Test cord</b> with 2 jacks for banana plug <b>2 poles</b></p>	<p><b>79054-501 00</b></p>
	<p>with 4 jacks for banana plug <b>4 poles</b></p>	<p><b>79054-524 00</b></p>
	<p><b>Connection cord</b> with 2 connection plugs <b>2 poles</b>, Length: 2 m <b>2 poles</b>, Length: 6 m</p>	<p><b>79054-502 26</b> <b>79054-502 28</b></p>
	<p><b>Connection cord</b> with 2 4-pole disconnection plugs <b>4 poles</b>, Length: 2 m <b>4 poles</b>, Length: 6 m</p>	<p><b>79054-504 26</b> <b>79054-504 28</b></p>
	<p><b>Disconnection plug for 1 pair</b> red white green yellow black brown blue</p>	<p><b>79122-500 00</b> <b>79122-500 25</b> <b>79122-500 26</b> <b>79122-500 27</b> <b>79122-500 29</b> <b>79122-500 30</b> <b>79122-500 31</b></p>
	<p><b>Disconnection plug</b> for 10 pair, white</p>	<p><b>79122-505 00</b></p>
	<p><b>Dummy plug</b> for 1 pair, red</p>	<p><b>79072-500 00</b></p>
	<p><b>Marker caps</b> for 1 pair red yellow black brown</p>	<p><b>79004-500 00</b> <b>79004-500 25</b> <b>79004-500 29</b> <b>79004-500 30</b></p>
	<p><b>Magazine 10 pair</b> For arrester shape 3-pole, insertion on connection and disconnection modules, Dimension (L x W x D): 112 x 22 x 43 mm</p>	<p><b>38126-502 40</b></p>
	<p><b>3-pole arrester</b> 230 V - 10 A / 10kA</p>	<p><b>39081-728 00</b></p>
	<p><b>3-pole arrester</b> with fail-safe 2x5A / 2x5kA, n (100°C) ts ≤ 10 sec</p>	<p><b>05-661-02600</b></p>

