



VARIO

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VARIO TOWER

VARIO[®]
TOWER

BASIC MODULES

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VARIO TOWER

Modular socket outlet system – a good solution in any aspect.

The ideal power distribution unit for e.g. offices, workshops or event stages.

- Made in Germany
- can be used in any combination and changed at any time
- very easy and quick connection – no tools required at all
- versatile application possibilities
- for placing, suspending or permanent mounting to furniture or work tables
- innovative functions and modern design



Modular socket outlet system

The basic module with base and feed line is the basis of the VARIO TOWER. It can be used separately or be extended individually by functional modules which just need to be plugged together.

The advantage: the single modules can be combined individually and can be exchanged at any time.



Individual modules for each area of application

No matter if you only use the basic module with 4 socket outlets and mains switch or if you extend this module by functional modules, such as overvoltage protection, master-slave, ISDN distribution or a timer, the VARIO TOWER provides the suitable solution for each area of application.



All socket outlets feature an integrated child protection.



Colour: grey/anthracite



Line safely stored

The base of the basic module includes a winder for storing the line. The excess line simply disappears inside the "line safe" of the base.



No tilting

The base integrated in the basic module prevents the VARIO TOWER from tilting over.



Simple mounting possibility

Additional screw holes have been integrated into the base of the basic module and make it possible to screw the module to e.g. furniture, work tables and desks as well as ceilings.



Integrated suspension eye

For the application above workplaces or for suspension from hall ceilings, the base of the basic module includes a suspension eye. If needed, it is simply popped up.



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BASIC MODULES

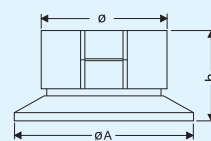
The all-rounder among socket outlet combinations - compact, flexible, expandable and safe.

- basic module with base – further functional modules can be added
- for placing, screw mounting and suspending
- compact design



Basic module with 4 socket outlets with earthing contact

- 250 V ~, 50 Hz, 16 A, 3,600 W
- 1.5 m connecting line H05VV-F 3G1.5 mm² with right rectangular plug
- with 2 pole, illuminated switch
- mounting holes in the base



approx. 200 x 140 x 100 mm (ØA x Ø x h)

Article no.	Article description
0530x0030	Basic module with 4 socket outlets with switch contact
0531x0030	Basic module with 5 socket outlets without switch contact



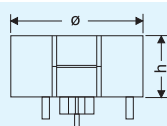
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FUNCTIONAL MODULES

Universal module with 5 socket outlets

- 250 V ~, 50 Hz, 16 A, 3,600 W



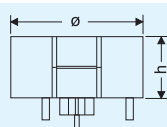
approx. 140 x 65 mm (Ø x h)

Article no.	Article description
0531x0020	Universal module with 5 socket outlets

Overvoltage protection module with 4 socket outlets and acoustic signal

- 250 V ~, 50 Hz, 16 A, 3,600 W
- for protecting devices with modern electronics – such as computers, hi-fi systems, TV sets, video and DVD players, copiers, fax machines, telephone systems etc. – against overvoltage from the mains
- integrated overvoltage protection SPD Type 3 (in accordance with EN 61643-11), requirement class D
- Nominal lightning discharge current (8/20) I_n :

L + N – PE	5,000 A
L – N	2,500 A
- Nominal leakage voltage U_{oc} : 5,000 V
- with acoustic signal
- after the overvoltage protection has triggered, the connected devices continue to operate, which is important for e.g. computer systems
- downstream modules are also protected

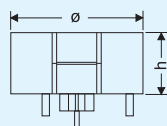


approx. 140 x 65 mm (Ø x h)

Article no.	Article description
0531x0120	Overvoltage protection module with 4 socket outlets

Master-Slave module with 1 master and 3 slave socket outlets

- 250 V ~, 50 Hz, 16 A, 3,600 W
- safety and power-saving possibilities because the additional devices are switched on and off automatically depending on whether the main device in the master socket outlet is switched on or off
- with steplessly adjustable switching threshold (7 - 100 W)
- optical function display
- downstream modules are switched as well



approx. 140 x 65 mm (Ø x h)

Article no.	Article description
0530x0620	Master-Slave module with 4 socket outlets

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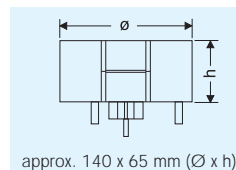
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FUNCTIONAL MODULES

ISDN distributor module with 7 ISDN connection possibilities

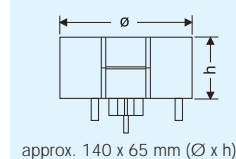
- 250 V ~, 50 Hz, 16 A, 3,600 W
- with telecommunication connection possibilities for ISDN terminals 1 input UAE [= special terminal box] 8/8 7 outputs UAE 8/8 with integrated overvoltage protection
- overvoltage protection according to EN 61643-21
- Nominal lightning discharge current I_{sn} : 650 A / 2.5 kA
- Rated voltage U_c : 6 V DC (ISDN-protection)
- integrated terminators for S_o -bus



Article no.	Article description
0538x0120	Distributor module with 7 ISDN connection possibilities

Timer module with 3 timer socket outlets

- 250 V ~, 50 Hz, 16 A, 3,600 W
- connected devices are switched off automatically after the set time has elapsed – this saves energy because you can no longer forget to switch them off
- 3 socket outlets with timer and 1 additional socket outlet for permanent operation
- adjustable switch-off time 1.5 to 12 hours
- optische Funktionsanzeige
- manually on and off function through the push of a button



Article no.	Article description
0534x0400	Timer module with 3 timer socket outlets

Technical informations

VARIO TOWER

Basic modules

- 1.5 m feed cable (can be reeled inside the basic module)
- without switch: 5 sockets
- with switch: 4 sockets with bipolar, illuminated switch

With the bipolar, illuminated switch of the basic module the entire VARIO TOWER can be turned on and off.

Thermal overload protection

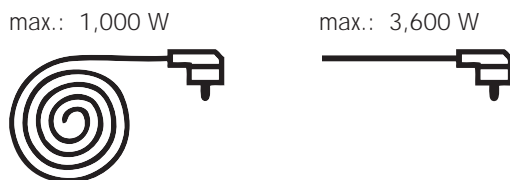
For the operation of heavy loads at the VARIO TOWER, the feed cable of the basic module should be reeled off. If the feed cable is reeled up and heavy loads are operated on the VARIO TOWER, the thermal overload protection of the basic module can trigger. If the overload protection triggers, the entire VARIO TOWER will be turned off.

The thermal overload protection can be reset pressing the red reset button at the bottom of the basic module after the tower has cooled down.

Technical data

Nominal voltage U_n : 250 V~ +/-10% 50 Hz

Nominal current: 16 A (max. 3,600 W)



Master-Slave module

- 1 Master socket (red) with adjustable switching threshold
- 3 Slave sockets

The master slave module serves for automatically turning on and off electrical loads in connection with a control device at the master socket.

When turning on a device which is connected to the red master socket, the black devices that are connected to the black slave sockets will be turned on automatically. This is indicated by the indication „Slave“.

One module that is attached to the master slave module and all the following modules will automatically get a slave function.

Adjusting of the switching threshold

The slave sockets are only turned on if the adjustable switching threshold is exceeded (min. 7 watt). If a master device with low power is turned on and the indication „sockets ON“ (Steckdosen EIN) is not displayed (slave sockets are not turned on), the adjusting screw has to be turned to the left.

If the power consumption of the master device is already too high in the deactivated condition (for example by the standby operation) the adjusting screw has to be turned to the right, to turn off the slave sockets.

Technical data

Nominal voltage U_n : 250 V~ +/-10 % 50 Hz

Nominal current: 16 A

Range: >15 W <200 W

Technical informations

VARIO TOWER

Overvoltage protection module

- 4 sockets
- acoustic failure indication
- thermal protection fuse of the over voltage protection

Universal overvoltage protection module to protect electrical devices against overvoltage from the supply mains that can be caused by switch actions, static loads or remote lightning strikes.

One module that is attached to the overvoltage protection module and all the following modules will automatically get the overvoltage-protection function.

Failure indication

The overvoltage protection module has a thermal protective function which disconnects the module from the power supply in the case of a defect (overload). The failure will be indicated by a continuous acoustic signal.

The module must be repaired by the manufacturer to re-establish the protective function. The power supply for the connected devices will be maintained despite a defect module.

ISDN S₀-bus distribution module with overvoltage protection

- 1 input UAE 8/8
- 7 outputs UAE 8/8 for connection to ISDN terminals
- integrated load resistors for the S₀-bus

In a comfortable way, the ISDN S₀ bus distribution module allows you to extend your S₀ bus behind NTBA or your telephone system by adding additional connections for your ISDN terminals.

The required load resistors are integrated in the device. Eight ISDN terminals can be connected simultaneously to one S₀-bus.

The integrated overload protection shields your valuable communications and entertainment electronic equipment.

Technical data

Nominal voltage U _n :	250 V~ +/-10 % 50 Hz
Nominal current:	16 A (max. 3,600 W)
Rated voltage U _e :	6 V DC (ISDN Schutz)
Nominal discharge peak current I _n :	650 A / 2,5 kA

According to EN 61643-21: 2001

Timer module

- 3 time-controlled sockets
- continuously variable time setting 1.5 – 12 hours

Function and operation

The desired turn-on time of the built-in sockets can be set continuously variably at the time switch module.

Activation of the turn-on time is executed by pressing the push button "on/off". Deactivation is executed by pressing again the push button "on/off" or by the internal time control. The activated sockets are indicated by the integrated pilot light.

The time switch module is a useful contribution to safety and energy saving at any places where the switch-off of consumers (such as copiers, printers, scanners, coffee machines) can be easily forgotten.

Technical data

Nominal voltage U _n :	250 V~ +/-10 % 50 Hz
Nominal current:	16 A (max. 3,600 W)

Technical informations

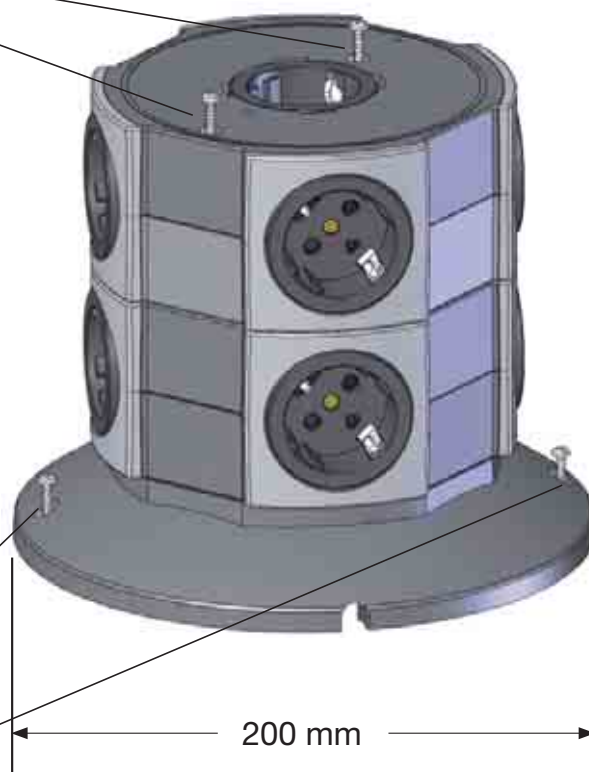
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Module screwing

After fitting the modules of the VARIO TOWER together they should be secured with the screws provided to ensure additional stability.



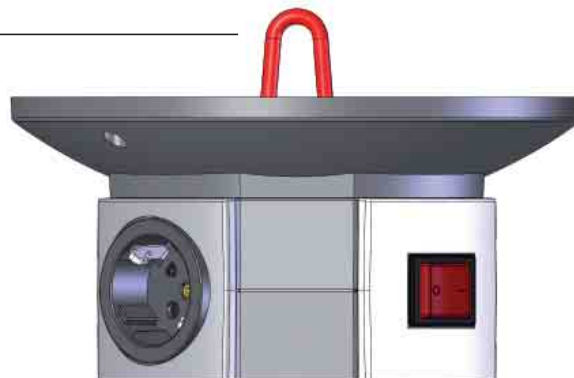
It is absolutely necessary to screw the modules together, if the VARIO TOWER is assembled overhead or is hung up using the holder of the base module.



Assembly options

Using the two fixing points on the base module, the VARIO TOWER can be mounted stationary.

Folding holder in base module to hang up the VARIO TOWER.



General Terms and Conditions

I. General terms

1. The scope of deliveries and services (hereinafter referred to as „Deliveries“) shall be determined by the written declarations made by both Parties. The General Terms and Conditions of the Purchaser shall, however, apply only if expressly accepted in writing by the supplier or the provider of services (hereinafter referred to as „Supplier“).
2. The Supplier reserves any proprietary rights and copyrights to his price quotations, drawings and other documents provided with an offer (hereinafter referred to as „Documents“). The Documents shall not be made accessible to any third party without the Supplier's prior written consent and shall be returned to him upon request without undue delay if the contract is not awarded to the Supplier. The above shall apply respectively to documents of the Purchaser. These may, however, be made accessible to third parties rightfully charged with Deliveries by the Supplier.
3. The Purchaser shall have the non-exclusive right to use standard software, provided that it remains unchanged, is used within the performance characteristics agreed upon by the parties and on the agreed equipment. The Purchaser shall not make this software available or accessible for use by a third party.
4. Partial deliveries shall be allowed insofar as they are not unreasonable for the Purchaser.
2. For the duration of the retention of title, the Purchaser may not pledge the Retained Goods or use them as security. Resale shall be possible only for resellers in the ordinary course of their business and exclusively on the condition that the reseller receives payment from his customers or makes the transfer of title to the goods to the customer subject to the customer's fulfilment of his payment obligation.
The Purchaser herewith assigns to the Supplier any claims up to the invoiced amount from the resale to a third party. The Supplier hereby accepts this assignment. The Supplier shall be entitled to collect claims after assignment. The Supplier reserves the right to collect claims himself upon the Purchaser's non-fulfilment of his payment obligations and default of payment.
3. The Purchaser shall inform the Supplier immediately of any seizure, confiscation or other disposition or intervention by a third party.
4. In case the Purchaser fails to fulfil his duties, particularly in the case of default of payment, the Supplier shall be entitled to terminate the contract and to take back the Retained Goods after an appropriate grace period set by the Supplier has passed without the Purchaser having fulfilled his obligations. The statutory provisions that a grace period is not necessary remain unaffected. The Purchaser shall be obligated to surrender the Retained Goods.

II. Prices and Terms of Payment

1. The prices are in € and shall be ex works, excluding packaging, plus the statutory turnover tax at the applicable rate. Packaging and shipping for Deliveries within Germany shall be calculated based on the following:

1.00 €	bis	150.00 €	10 %
150.01 €	bis	300.00 €	8 %
300.01 €	bis	500.00 €	5 %
500.01 €	bis	799.99 €	3 %

but with 7.50 € as a minimum rate
2. Bulk orders with a net worth of 800 € or more shall be delivered free domicile including packaging within Germany. We charge a processing fee of 25 € for orders of less than 100 €.
3. Payments shall be made free Supplier's pay office
4. If the goods delivered are not accepted in full, the Supplier shall be entitled to charge the price applicable to the batch size of the delivered part of the order.
5. Invoices shall be payable within 30 days after the date of invoice without deduction, a discount of 2% being granted for payments made within 10 days after the date of invoice, unless otherwise agreed upon in writing. For the initial delivery, payment is to be effected before the production commences or before goods in stock are delivered, as the case may be.
In case of late payment, the Supplier shall be entitled to charging default interest in accordance with applicable laws. In case of payment in arrears, the Supplier reserves the right to halt all further deliveries until payment has been made. Payments made shall be credited to the oldest debt. Cheques shall be accepted only under usual reserve. The day on which the Supplier can dispose of the amount shall be deemed the date of performance for payments of any kind.
The Purchaser may set off only undisputed claims or claims determined legally valid against the Supplier's claims. The Purchaser may only assert his right of retention if his counter-claim is based on the same contractual relationship.
6. The Supplier may demand payment in advance or the provision of securities at any time if deemed necessary by the Supplier.
7. The Supplier may withdraw from the contract and /or claim damages for non-performance after a reasonable period of grace.

III. Retention of Title

1. Items which are part of the Deliveries („Retained Goods“) shall remain the property of the Supplier until any claims the Supplier has against the Purchaser in the context of the business relationship have been fulfilled insofar as the Purchaser is an entrepreneur. If the combined value of the security interests of the Supplier exceeds the value of all secured claims by more than 20 %, the Supplier shall release a corresponding part of the security interest if so requested by the Purchaser. In the context of contracts with consumers, the Supplier reserves the right to retain the title to the goods until the purchase price has been paid in full.

IV. Time Limit for Deliveries and Delay

1. The observance of time limits set for Deliveries is subject to all Documents of the Purchaser, necessary permits and releases, especially plans, being made available in due time and to the Purchaser's fulfilment of all agreed terms of payment and other obligations. If these conditions are not fulfilled in due time, the time limits set shall be extended accordingly. This shall not apply if the Supplier is responsible for the delay.
2. The time limit for delivery shall be deemed observed if the goods to be delivered have left the plant or if the Purchaser has been notified of the goods being ready for shipment prior to or upon expiry of the time limit.
3. If non-observance of set time limits is due to force majeure such as mobilization, war, insurrection or similar events such as strike or lockout, the time limit shall be extended accordingly.
4. If the Supplier is in default of delivery, the Purchaser may claim damages in the maximum amount of 0.5 % for each full week of default, but of no more than a total amount of 5 % of the price of that part of the Deliveries which could not be used as intended because of the default - provided the Purchaser provides proof of the loss suffered by him as a result of the default.
5. Any Purchaser claims for damages due to default of delivery as well as claims for damages in lieu of performance exceeding the limits specified under section 4 above shall be excluded in all cases of default of delivery. This shall not apply in cases of mandatory liability for intent or gross negligence. These provisions do not imply a reversal of the burden of proof to the Purchaser's disadvantage. The Purchaser's right to withdraw from the contract after expiry of a grace period without the Supplier having fulfilled his obligations shall remain unaffected.
6. If shipment or delivery is delayed at the Purchaser's request by more than one month after notice of the readiness for shipment was given, the Purchaser may be charged storage costs of 0.5 % of the price of the goods to be delivered, but of no more than a total amount of 5 %, for every month commenced. The parties may provide proof of higher or lower storage costs, as the case may be.

V. Transfer of Risk

1. Even in the case of delivery having been effected freight free, the risk shall pass to the Purchaser as follows:
 - a) If the Purchaser is an entrepreneur, the risk of accidental loss and accidental deterioration of the goods to be delivered without assembly or erection shall transfer to the Purchaser upon handover, or, in case of a shipment order, upon handover of the goods to a forwarding agent, freight carrier or other individuals or institutions assigned with consignment. The Supplier shall insure the Deliveries against the usual transport risks upon request and at the expense of the Purchaser.
If the Purchaser is a consumer, the risk of accidental loss and accidental deterioration of the sold items shall not pass to the Purchaser until the sold items have been handed over, even in the case of a shipment order.
 - b) If the Deliveries include assembly or erection, the risk shall pass to the Purchaser on the day of incorporation of the goods into the company's own operation or, if agreed upon by the parties, after a fault-free trial run.

2. Where the shipping, delivery, the start or performance of the assembly or erection, the incorporation of the goods into the company's own operation or the trial run is delayed for reasons attributable to the Purchaser, or where the Purchaser is in default of acceptance for other reasons, the risk shall pass to the Purchaser.

VI. Acceptance

The Purchaser shall not be allowed to refuse acceptance of Deliveries for minor defects.

VII. Material Defects

The Supplier shall be liable for material defects as follows:

1. All parts or services with a defect which becomes apparent within the limitation period - regardless of the hours of operation - shall be repaired, replaced or provided anew free of charge, at the discretion of the Supplier, provided that the reason for the material defect had already existed at the time of the passage of risk.
2. If a material defect is detected, the Supplier shall first be given the opportunity of alternative performance within a reasonable period of time. If such alternative performance has failed, the Purchaser may withdraw from the contract - his claims for damages in accordance with article IX notwithstanding - or reduce the purchase price.
3. In case of the Purchaser being an entrepreneur, claims based on defects shall be time-barred after 12 months of delivery of the goods. If the Purchaser is a consumer, the claims based on defects shall be time-barred after 2 years.
4. The Purchaser shall notify the Supplier of any material defects without undue delay.
5. If the Supplier has been notified of a material defect, the Purchaser may withhold payments to an extent which is reasonably proportionate to the respective material defect. The Purchaser, however, if he is an entrepreneur, may withhold payments only if the subject-matter of the notification of the material defect has been ascertained or undisputed. If the notification of a material defect is unjustified, the Supplier shall be entitled to have his expenses reimbursed by the Purchaser.
6. There shall be no claims based on a material defect in cases of insignificant deviations from the agreed quality, of only minor impairment of usability, of natural wear and tear or damage arising after the passage of risk due to faulty or negligent handling, excessive use, unsuitable equipment, defective workmanship, inappropriate foundation soil or due to particular external influences not assumed under the contract as well as non-reproducible software errors. If the Purchaser or a third party carries out improper modifications or repair work, such work and its consequences shall likewise be excluded from any claims based on a material defect.
7. Entrepreneurs shall notify the Supplier of any apparent material defects within two weeks of acceptance of the goods in writing. Any failure to do so shall result in the exclusion of warranty claims. The punctual dispatch of the notice suffices to comply with this time limit. Consumers shall notify the Supplier of any apparent material defects within two months of establishing the non-conformity of the goods. The adherence to this time limit shall be governed by the Supplier's receipt of the notification of the material defect. If the consumer fails to notify the Supplier of the defect, his rights under the warranty shall lapse two months after the defect was established. This does not apply in cases of wilful misrepresentation on the part of the Supplier.
8. If the Purchaser chooses to withdraw from the contract based on a defect of title or a material defect after alternative performance has failed, he shall not be entitled to claims for damages based on the same defect.
9. The Purchaser shall not be entitled to any claims for expenses incurred in the course of alternative performance, including expenses for transport, travel, labour and material, insofar as the increase in expenses is due to the goods having subsequently been transferred to a location other than the Purchaser's branch, unless this transfer is in compliance with the intended use of the goods.

10. The Purchaser's rights of recourse against the Supplier pursuant to section 478 of the German Civil Code (BGB) (Rights of recourse of the entrepreneur) are limited to cases where the Purchaser has not concluded an agreement with his customer exceeding the scope of the statutory provisions governing defect claims. Moreover, section 9 above shall apply accordingly with regard to the scope of the rights of recourse the Purchaser has against the Supplier pursuant to section 478 (2) of the German Civil Code.

11. Furthermore, the provisions of article IX (Limitation of Liability) shall apply with regard to claims for damages. Any other Purchaser claims against the Supplier or his agents or any claims exceeding the defect claims provided for in this article shall be excluded.

VIII. Impossibility of Performance; Adaptation of Contract

1. If Deliveries are impossible, the Purchaser shall be entitled to claim damages, unless the Supplier is not responsible for the impossibility. The Purchaser's claim for damages shall, however, be limited to the total amount of 10 % of the value of the part of the Deliveries which cannot be used as intended due to the impossibility. This shall not apply in cases of mandatory liability for intent, gross negligence or damage to life, body or health. These provisions do not imply a reversal of the burden of proof to the Purchaser's disadvantage. The Purchaser's right to withdraw from the contract shall remain unaffected.
2. Where unforeseeable events within the meaning of article IV, section 3 substantially change the economic importance or the contents of the delivery or considerably affect the Supplier's business, the contract shall be adapted accordingly under consideration of good faith. Where an adaptation is untenable, the Supplier shall have the right to withdraw from the contract. If the Supplier intends to exercise his right to withdraw, he shall notify the Purchaser thereof immediately upon realisation of the consequences of this event. This shall also apply in cases where the time limit for delivery had previously been extended by the Purchaser.

IX. Limitation of Liability

1. In case of a slightly negligent breach of contractual duty, the Supplier's liability shall be limited to the foreseeable, contract-specific and direct average damage with regard to the type of goods. This shall also apply to slightly negligent breaches of contractual duty on the part of the Supplier's statutory or vicarious agents. With regard to other companies, the Supplier shall not be liable for slightly negligent breaches of immaterial contractual duties. His liability shall be limited to € 2 mill. in cases of personal injury and to € 1 mill. in cases of damage to property.
2. The aforementioned limitations of liability do not affect the Purchaser's warranty claims. Furthermore, the limitations of liability shall not apply in cases of bodily harm and damage to health attributable to the Supplier or in the case of a loss of the Purchaser's life.

X. Jurisdiction and Applicable Law

1. If the Purchaser is a trader, the exclusive place of jurisdiction for all disputes arising directly or indirectly from this contract shall be the Supplier's place of business. However, the Supplier may also bring an action in a court of law at the Purchaser's place of business.
2. Any legal relationship under this contract shall be governed by the substantive law of Germany without regard to the United Nations Convention on the International Sale of Goods (CISG).

XI. Validity of the Contract

The validity of the contract shall remain unaffected even if one or more provisions of this contract are invalid or unenforceable. This shall not apply if adherence to the contract would constitute undue hardship for one of the parties to the contract.

Current as of January 2010