

3 steps to get your individual EVoline® Product

1

Choice of
EVoline®
product series

**EVoline® Port
Individual**



Choose:
Version
length of cable connection
Hole saw see page 121
Fastening / accessories

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**EVoline® Dock
Individual**



Choose:
Version
length of cable connection
Fastening / accessories

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**EVoline® V-Dock
Individual**



Choose:
Version
length of cable connection

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**EVoline® SubDesk
Individual**



Choose:
Version
length of cable connection

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**EVoline®
Socket Module**



Choose:
country specific insert
colour

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**EVoline®
Multimedia Module**



Choose:
specification
length of cable connection

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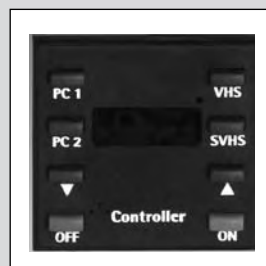
**EVoline®
Data-Network Module**



Choose:
specification
length of cable connection

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**EVoline®
Intelligence Module**



Choose:
specification
length of cable connection

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Pursuant to your order you will receive a product drawing, which you release with your signature.
This procedure avoids wrong orders.

3

Your individual
EVoline®
Product



Your orders are subject to our General Terms of Sales. Refer to www.schulte.com

Subject to technical changes.

The goods are not marked with an EAN-Code – please order specifically if needed.

Standard products of serie
are shown on pages :

EVoline® Port,
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EVoline® Dock,
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EVoline® V-Dock
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EVoline® Protection Modules	Page 99
EVoline® Multi Media Modules	Page 100 - 104
EVoline® Data-Network Modules	Page 105 - 118
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EVoline® Accessories	Page 120

EVoline® Socket Modules

Simply specify the modules of your choice in the basic profile!
 Thanks to the modular design of the EVoline® Port you may create individual configurations according to your requirements.






Further information regarding „This is how you order EVoline“ available on page 74

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Socket, 0° Germany, Austria 2) dimension 50 x 50 mm black (1) red, for protected circuit green (1) creamy white RAL9001 (1) pure white RAL9010 (1) light grey RAL 7035 (1)	933.00.090 933.00.200 933.03.780 933.05.420 933.05.450 933.05.480	Modules can only be ordered already assembled		● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●	
Socket, 60° Germany, Austria 2) dimension 50 x 50 mm black (1) red, for protected circuit green (1) creamy white RAL9001 (1) pure white RAL9010 (1) light grey RAL 7035 (1)	933.01.050 933.01.430 933.03.790 933.05.430 933.05.460 933.05.490	Modules can only be ordered already assembled	● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●	● ● ● ● ● ●	
Socket, 0° France, Belgium, Poland 2) dimension 50 x 50 mm black (1) red, for protected circuit	933.00.250 933.01.700	Modules can only be ordered already assembled		● ●	● ●	● ●	
Socket, 60° France, Belgium, Poland 2) dimension 50 x 50 mm black (1) red, for protected circuit	933.01.060 933.01.440	Modules can only be ordered already assembled	● ●	● ●	● ●	● ●	
Socket, 0° Switzerland dimension 50 x 50 mm 10A black (1) red, for protected circuit 16A black (1) red, for protected circuit	933.01.100 933.01.480 933.01.010 933.01.710	Modules can only be ordered already assembled		● ● ● ●	● ● ● ●	● ● ● ●	

(1) The colours available please read from our colour table on page 152.
 Other RAL tones available.

2) Table of countries on Page 152







Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Socket, 60° Switzerland dimension 50 x 50 mm 10A black (1) red, for protected circuit 16A black (1) red, for protected circuit	933.01.110 933.01.490 933.01.070 933.01.450	Modules can only be ordered already assembled	● ●	● ●	● ●	● ●	
Socket, 90° Switzerland dimension 50 x 50 mm 10A black (1) red, for protected circuit 16A black (1) red, for protected circuit	933.01.280 933.01.550 933.01.290 933.01.520	Modules can only be ordered already assembled		● ● ● ●	● ● ● ●	● ● ● ●	
Socket Switzerland Angled outlet dimension 75 x 50 mm 10A black (1) red, for protected circuit 16A black (1) red, for protected circuit	933.03.990 933.04.380 933.04.000 933.04.390	Modules can only be ordered already assembled	● ● ● ●				
Socket, 0° Denmark, standard dimension 50 x 50 mm black	933.01.020	Module can only be ordered already assembled		●	●	●	
Socket, 0° Denmark, standard dimension 50 x 50 mm black	933.01.080	Module can only be ordered already assembled	●	●	●	●	

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2) Table of countries on Page 152







Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Socket, 0° Denmark, IT-Coded							
dimension 50 x 50 mm black (1)	933.01.030	Modules can only be ordered already assembled		●	●	●	
red, for protected circuit	933.01.730			●	●	●	
Socket, 60° Denmark, IT-Coded							
dimension 50 x 50 mm black (1)	933.01.090	Modules can only be ordered already assembled	●	●	●	●	
red, for protected circuit	933.01.470		●	●	●	●	
Socket without fuse United Kingdom, East/West		Available for delivery in 2007					
dimension 75 x 50 mm black (1)	933.04.430	Modules can only be ordered already assembled	●				
red, for protected circuit	933.04.440		●				
Socket without fuse United Kingdom, angled							
dimension 60 x 50 mm black (1)	933.03.670	Modules can only be ordered already assembled		●	●	●	
red, for protected circuit	933.03.680			●	●	●	

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2) Table of countries on Page 152







Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Socket with fuse United Kingdom dimension 75 x 50 mm 3,15A black red, for protected circuit 5A black red, for protected circuit	933.04.450 933.04.460 933.04.470 933.04.480	Available for delivery in 2007 Modules can only be ordered already assembled	● ● ● ●				
Socket with fuse United Kingdom Cable angled dimension 60 x 50 mm 3,15A black red, for protected circuit 5A black red, for protected circuit	933.03.690 933.03.700 933.03.710 933.03.720	Modules can only be ordered already assembled		● ● ● ●	● ● ● ●	● ● ● ●	
Socket Italy 10A / 16A dimension 50 x 50 mm black	933.00.260	Module can only be ordered already assembled	●	●	●	●	
Socket 0° Australia 10A dimension 50 x 50 mm black red, for protected circuit	933.05.240 933.05.270	Modules can only be ordered already assembled		● ●	● ●	● ●	

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Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Socket 0° Australia 10A							
dimension 50 x 50 mm black	933.05.250	Modules can only be ordered already assembled	●	●	●	●	
red, for protected circuit	933.05.280		●	●	●	●	
Socket 60° Australia 10A Angled outlet							
dimension 75 x 50 mm black	933.04.010	Modules can only be ordered already assembled	●				
red, for protected circuit	933.04.400		●				
Socket 0° China 10A							
dimension 50 x 50 mm black	933.05.300	Modules can only be ordered already assembled		●	●	●	
red, for protected circuit	933.05.330			●	●	●	
Socket 60° China 10A							
dimension 50 x 50 mm black	933.05.310	Modules can only be ordered already assembled	●	●	●	●	
red, for protected circuit	933.05.340		●	●	●	●	

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2) Table of countries on Page 152



Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Socket China Angled outlet 10A							
dimension 75 x 50 mm black	933.04.020	Modules can only be ordered already assembled	●				
red, for protected circuit	933.04.410		●				
Socket 0° USA, Canada Type: 5-15							
dimension 50 x 50 mm black	933.05.360	Modules can only be ordered already assembled		●	●	●	
red, for protected circuit	933.05.390			●	●	●	
Socket 60° USA, Canada Type: 5-15							
dimension 50 x 50 mm black	933.05.370	Modules can only be ordered already assembled	●	●	●	●	
red, for protected circuit	933.05.400		●	●	●	●	
Socket 0° USA, Canada Angled outlet Type: 5-15							
dimension 75 x 50 mm black	933.04.030	Modules can only be ordered already assembled	●				
red, for protected circuit	933.04.420		●				

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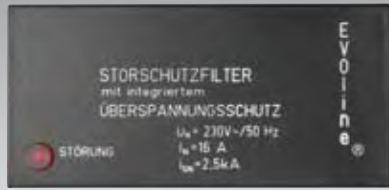


2) Table of countries on Page 152



EVoline® Switch and Protection Modules

Simply specify the modules of your choice in the basic profile!
 Thanks to the modular design of the EVoline® Port you may create individual configurations according to your requirements.

Further information regarding „This is how you order EVoline“ available on page 74

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Residual Current Device switch Rated current 25A Sensitivity 30 mA (RCD)							
dimension 100 x 50 mm	933.00.370	Modules can only be ordered already assembled	●	●	●	●	
Circuit protection switch, 10 A (MCB)							
dimension 100 x 50 mm	933.01.140		●	●	●	●	
Circuit protection switch, 13 A	933.01.150	Modules can only be ordered already assembled	●	●	●	●	
Circuit protection switch, 16 A	933.00.400		●	●	●	●	
Interference Filter with integrated Overvoltage Protection Un = 230V~/50 Hz IN = 16A iSN = 2,5 kA dimension 100 x 50 mm Printed in German							
	933.00.750		●	●	●	●	
Printed in English	933.00.760	Modules can only be ordered already assembled	●	●	●	●	
Printed in French	933.01.160		●	●	●	●	
Master/slave switch to switch downstream sockets upstream master socket gray downstream slave socket black Switching threshold: 50 mA							
dimension 150 x 50 mm	933.01.320	Module can only be ordered already assembled	●	●	●	●	
ON / OFF-Switch illuminated in orange 230V~							
dimension 50 x 50 mm	933.00.010	Module can only be ordered already assembled	●	●	●		





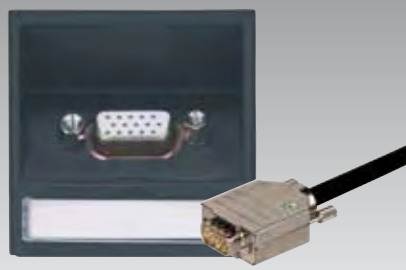


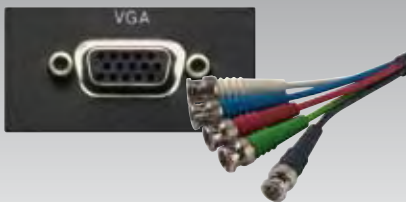

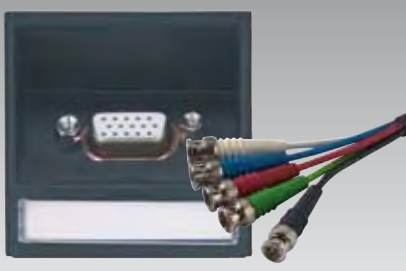



* Cable length measured from termination inside profile.

Please note:
 Delivery time for special versions
 is approx. 4 weeks.

EVoline® Multi Media Modules







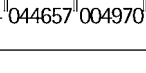



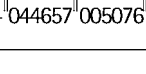







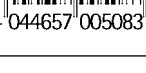



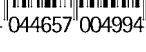
Simply specify the modules of your choice in the basic profile!
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Further information regarding „This is how you order EVoline®“ available on page 74

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
VGA 15-pin HDDjack with screw locking mechanism, halogen free and flame resistant, up to 4.000 volt EMV-proof, impedance of 75 ohms low attenuation factor with 3.0 m cable* and plug dimension 25 x 50 mm cable extension for VGA 15-pin HDD	933.00.810 933.01.570	 4 044657 002082 per metre	•	•		•	
without cables, with soldering connection	933.04.040	 4 044657 004932	•	•		•	
VGA 15-pin HDDjack with screw locking mechanism, halogenfree and flame resistant up to 4.000 volt EMV-proof, impedance of 75 ohms, low attenuation factor, with 3,0 m cable* and plug dimension 50 x 50 mm cable extension for VGA 15-pin HDD	933.02.370 933.01.570	 4 044657 002747 per metre	•		•	•	
without cables, with soldering connection	933.04.140	 4 044657 005038	•		•	•	
VGA 15-pin HDDjack to 5 x BNC RGB HV Plug with screw locking mechanism, halogen free and flame resistant up to 4.000 volt EMV-proof impedance of 75 ohms, low attenuation factor, with 3.0 m cable* and plug dimension 25 x 50 mm	933.01.560	 4 044657 002365	•	•		•	
cable extension for VGA to 5x BNC RGB HV	933.01.690	per metre	•	•		•	
VGA 15-pin HDDjack to 5 x BNC RGB HV plugs angled outlet with inscription field with screw locking mechanism halogen free and flame resistant up to 4.000 volt EMV-proof, Impedance of 75 ohms, low attenuation factor with 3,0 m cable* and plug dimension 50 x 50 mm	933.02.380	 4 044657 002754	•			•	
cable extension for VGA to 5x BNC RGB HV	933.01.690	per metre	•			•	
DVI-A Interface for analogue connection low attenuation factor cable halogen free and flame resistant with 3.0 m cable* and plug dimension 25 x 50 mm	933.00.860	 4 044657 002129	•	•		•	
cable extension DVI-A	933.01.620	per metre	•	•		•	
without cables, with soldering connection	933.04.120	 4 044657 005014	•	•		•	









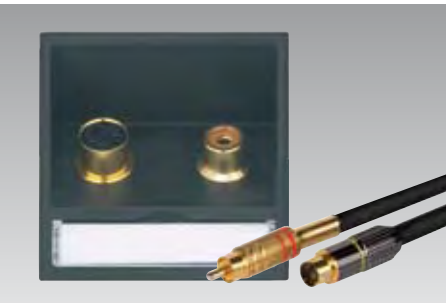


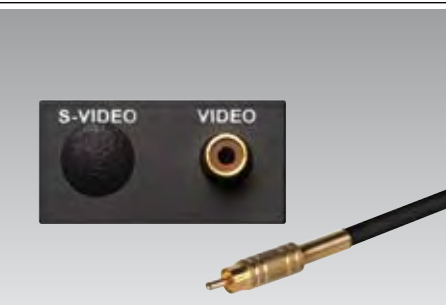


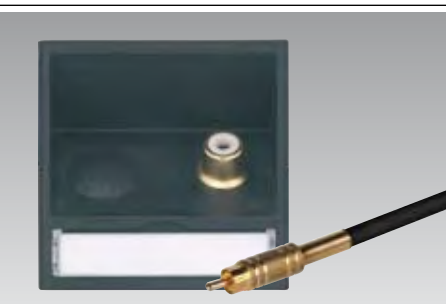


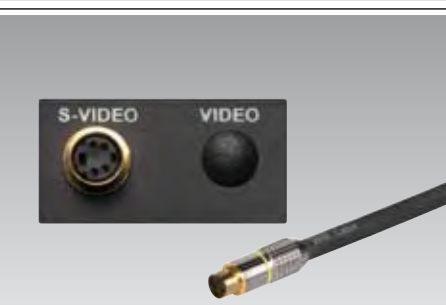
* Cable length measured from termination inside profile.

Please note:
 Delivery time for special versions
 is approx. 4 weeks.

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
DVI-A Interface for analogue connection angled outlet with inscription field low attenuation factor cable halogen free and flame resistant with 3.0 m cable* and plug dimension 50 x 50 mm cable extension DVI-A	933.02.420 933.01.620	 4 044657 002792 per metre	•	•		•	
without cables, with soldering connection	933.04.220	 4 044657 005113	•			•	
Inputs L / R for Stereo Cinch Connection with high quality gold-plated plugs optimal performance between -20° and +70°C with 3.0 m cable* and plug dimension 25 x 50 mm	933.00.830 933.01.590	 4 044657 002143 per metre	•	•		•	
cable extension audio cinch	933.01.590	 4 044657 004970	•	•		•	
without cables, with soldering connection	933.04.080	 4 044657 004970	•	•		•	
Inputs L / R for Stereo Cinch Connection angled outlet with inscription field with high quality gold-plated plugs optimal Performance between -20° and +70°C with 3.0 m cable* and plug dimension 50 x 50 mm cable extension audio cinch	933.02.440 933.01.590	 4 044657 002815 per metre	•		•	•	
cable extension audio cinch	933.01.590	 4 044657 005076	•		•	•	
without cables, with soldering connection	933.04.180	 4 044657 005076	•		•	•	
Inputs 1 / 2 for Stereo 3.5 mm Jack with high quality gold-plated plugs optimal performance between -20° and +70°C with 3,0 m cable* and plug dimension 25 x 50 mm	933.00.840 933.01.600	 4 044657 002150 per metre	•	•		•	
cable extension Stereo	933.01.600	 4 044657 004987	•	•		•	
without cables, with soldering connection	933.04.090	 4 044657 004987	•	•		•	
Inputs 1 / 2 for Stereo 3,5 mm Jack angled outlet with inscription field with high quality gold-plated plugs optimal Performance between -20° and +70°C with 3.0 m cable* and plug dimension 50 x 50 mm cable extension Stereo	933.02.450 933.01.600	 4 044657 002822 per metre	•		•	•	
cable extension Stereo	933.01.600	 4 044657 005083	•		•	•	
without cables, with soldering connection	933.04.190	 4 044657 005083	•		•	•	
Inputs 1 for Stereo 3.5 mm Jack with high quality gold-plated plugs optimal performance between -20° and +70°C with 3.0 m cable* and plug dimension 25 x 50 mm	933.00.910 933.01.670	 4 044657 002167 per metre	•	•		•	
Cable extension stereo	933.01.670	 4 044657 004994	•	•		•	
without cables, with soldering connection	933.04.100	 4 044657 004994	•	•		•	







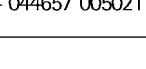









* Cable length measured from terminations inside profile.

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Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Input 1 for Stereo 3.5 mm Jack angled outlet with inscription field with high quality gold-plated plugs optimal performance between -20° and +70°C with 3,0 m cable* and plug dimension 50 x 50 mm Cable extension stereo Without cables, with soldering connection	933.02.460 933.01.670 933.04.200	 4 044657 002839 per metre  4 044657 005090	● ● ●		● ● ●		
4-pole mini-DIN (S-VHS) and cinch video (VHS) with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor with 3,0 m Cable * and plug dimension 25 x 50 mm Cable extension S-VHS / VHS Without cables, with soldering connection	933.00.820 933.01.580 933.04.050	 4 044657 002174 per metre  4 044657 004949	● ● ●	● ● ●			
4-pole mini-DIN (S-VHS) and cinch video (VHS) angled outlet with inscription field with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor, with 3.0 m Cable * and plug dimension 50 x 50 mm Cable extension S-VHS / VHS Without cables, with soldering connection	933.02.470 933.01.580 933.04.150	 4 044657 002846 per metre  4 044657 005045	● ● ●		● ● ●		
Cinch video (VHS) connection with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor, with 3,0 m Cable * and plug dimension 25 x 50 mm Cable extension VHS Without cables, with soldering connection	933.00.890 933.01.650 933.04.070	 4 044657 002181 per metre  4 044657 004963	● ● ●	● ● ●			
Cinch video (VHS) connection angled outlet with inscription field with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor with 3,0 m Cable * and plug dimension 50 x 50 mm Cable extension VHS Without cables, with soldering connection	933.02.480 933.01.650 933.04.170	 4 044657 002853 per metre  4 044657 005069	● ● ●		● ● ●		
4-pole mini-DIN (S-VHS) connection with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor with 3,0 m Cable * and plug dimension 25 x 50 mm Cable extensions S-VHS Without cables, with soldering connection	933.00.900 933.01.660 933.04.060	 4 044657 002198 per metre  4 044657 004956	● ● ●	● ● ●			



* Cable length measured from terminations inside profile

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Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
4-pole mini-DIN (S-VHS) connection angled outlet with inscription field with high quality gold-plated plugs, 75 ohms impedance with low attenuation factor with 3,0 m Cable * and plug dimension 50 x 50 mm Cable extensions S-VHS	933.02.490 933.01.660	 4 044657 002860 per metre	•		•	•	
Without cables, with soldering connection	933.04.160	 4 044657 005052	•		•	•	
Serial 9-pin D-SUB plug with screw locking mechanism halogen free and flame resistant up to 4.000 volt EMV-proof with 3,0 m cable* and jack dimension 25 x 50 mm	933.00.870 933.01.630	 4 044657 002099 per metre	•	•		•	
Cable extension serial	933.01.630	 4 044657 005021	•	•		•	
Without cables, with soldering connection	933.04.130	 4 044657 005021	•	•		•	
serial 9-pin D-SUB plug angled outlet with inscription field with screw locking mechanism halogen free and flame resistant up to 4.000 volt EMV-proof with 3,0 m cable* and jack dimension 50 x 50 mm Cable extension serial	933.02.390 933.01.630	 4 044657 002761 per metre	•		•	•	
Without cables, with soldering connection	933.04.230	 4 044657 005120	•		•	•	
Interface for Keyboard/Mouse 2 x 6-pin Mini DIN **-connection (PS/2) optimal Performance between -20°C and +70°C with 3,0 m cable* and plug		 4 044657 002105	•	•		•	
dimension 25 x 50 mm	933.00.880		•	•		•	
Cable extension Keyboard/Mouse	933.01.640	per metre	•	•		•	
Interface for Keyboard/Mouse angled outlet with inscription field 2 x 6-pin Mini DIN **-connection (PS/2) optimal Performance between -20°C and +70°C with 3,0 m cable* and plug		 4 044657 002778	•		•	•	
dimension 50 x 50 mm	933.02.400		•		•	•	
Cable extension Keyboard/Mouse	933.01.640	per metre	•		•	•	
USB 2.0, Type A Connection of Standard commercial USB-appliances with 3,0 m cable* and plug		 4 044657 002136		•			
dimension 25 x 50 mm	933.01.040			•			
Cable extension USB	933.01.680	per metre		•			

* Cable length measured from terminations inside profile

Please note:
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Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
USB 2.0, Type A Angled outlet with inscription field Connection of Standard commercial USB-appliances with 3,0 m cable* and plug dimension 50 x 50 mm Cable extension USB		 4 044657 002808					
	933.02.430		•		•	•	
	933.01.680	per metre	•		•	•	





* Cable length measured from terminations inside profile

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EVoline® Data-Network Modules

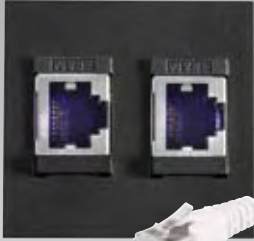
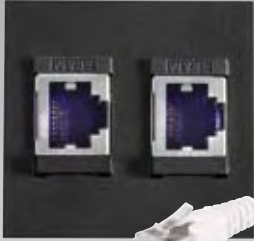




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 Thanks to the modular design of EVoline you may create individual configurations
 to suit your requirements.

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 We recommend to only use our performance oriented data and network technology!
 Avoid loss of data!

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Data plate with two telephone/data sockets Angled outlet (Panduit) RJ45 CAT5 screened dimension 50 x 50 mm	933.01.190	Module can only be ordered already assembled bushes are loosely packed as assembly kit	●	●	●	●	
Data plate with two telephone/data sockets angled outlet (Panduit) RJ45 CAT5 screened with 3,0 m data cables and plugs dimension 50 x 50 mm Cable extension	933.01.210 933.01.750	Module can only be ordered already assembled per metre / for 2 data cables	● ●	● ●	● ●	● ●	
Data plate with two telephone/data sockets angled outlet (empty) dimension 50 x 50 mm	933.00.310	Module can only be ordered already assembled	●	●	●	●	
Data plate with one telephone/data socket (Reichle Et De-Massari) Snap In with 3.0 m cable * and plug dimension 50 x 50 mm RJ45 CAT5 unscreened Cable extension RJ45 CAT5 unscreened RJ45 CAT5e screened Cable extension RJ45 CAT5 screened RJ45 CAT6 unscreened Cable extension RJ45 CAT6 unscreened RJ45 CAT6 screened Cable extension RJ45 CAT6 screened	933.04.270 933.04.500 933.01.370 933.01.760 933.04.300 933.04.530 933.01.400 933.01.790	Modules can only be ordered already assembled per metre / for 1 data cable		● ● ● ● ● ●			






* Cable length measured from termination inside profile.
 More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle Et De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate with two telephone/data sockets (Reichle & De-Massari) Snap In							
with supply 3.0 m cable * and plugs							
dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.280			•			
Cable extension RJ45 CAT5 unscreened	933.04.490			•			
RJ45 CAT5e screened	933.01.380			•			
Cable extension RJ45 CAT5 screened	933.01.750			•			
RJ45 CAT6 unscreened	933.04.310	Modules can only be ordered already assembled		•			
Cable extension RJ45 CAT6 unscreened	933.04.520			•			
RJ45 CAT6 screened	933.01.410	per metre / for 2 data cables		•			
Cable extension RJ45 CAT6 screened	933.01.780			•			
Data plate with two telephone/data sockets angled outlet with inscription field (Reichle & De-Massari) Snap In							
with supply 3.0 m cable * and plugs							
dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.330		•		•	•	
Cable extension RJ45 CAT5 unscreened	933.04.490		•		•	•	
RJ45 CAT5e screened	933.01.220		•		•	•	
Cable extension RJ45 CAT5 screened	933.01.750		•		•	•	
RJ45 CAT6 unscreened	933.04.340	Modules can only be ordered already assembled	•		•	•	
Cable extension RJ45 CAT6 unscreened	933.04.520		•		•	•	
RJ45 CAT6 screened	933.01.230	per metre / for 2 data cables	•		•	•	
Cable extension RJ45 CAT6 screened	933.01.780		•		•	•	
Data plate with three telephone/data sockets (Reichle & De-Massari) Snap In							
with supply 3.0 m cable * and plugs							
dimension 75 x 50 mm							
RJ45 CAT5 unscreened	933.04.290			•			
Cable extension RJ45 CAT5 unscreened	933.04.510			•			
RJ45 CAT5e screened	933.01.390			•			
Cable extension RJ45 CAT5 screened	933.01.770			•			
RJ45 CAT6 unscreened	933.04.320	Modules can only be ordered already assembled		•			
Cable extension RJ45 CAT6 unscreened	933.04.540			•			
RJ45 CAT6 screened	933.01.420	per metre / for 3 data cables		•			
Cable extension RJ45 CAT6 screened	933.01.800			•			


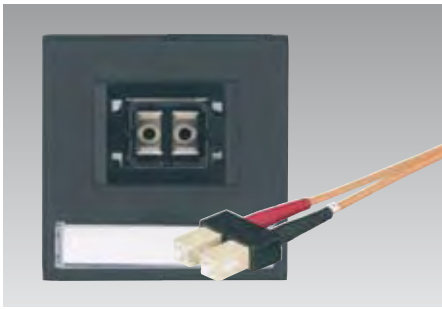
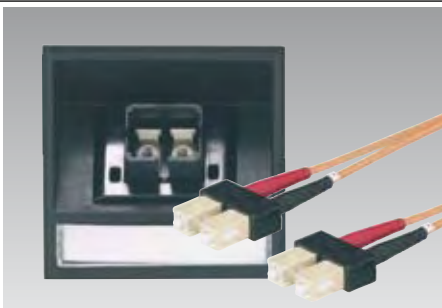
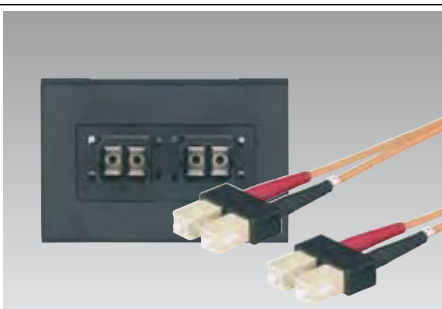
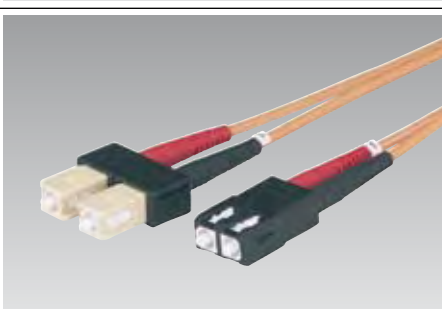

* Cable length measured from termination inside profile.
More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate with one telephone/data socket with inscription field (Reichle & De-Massari) designed for Security Systems 1 to 3 with cable 3.0 m * and plug dimension 50 x 50 mm RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.620 933.02.520 933.04.630 933.02.530	Modules can only be ordered already assembled		• • • •			
Data plate with one telephone/data socket angled outlet with inscription field (Reichle & De-Massari) designed for Security Systems 1 to 3 with 3.0 m cable * and plug dimension 50 x 50 mm RJ45 CAT5 unscreened Cable extension RJ45 CAT5 unscreened RJ45 CAT5e screened Cable extension RJ45 CAT5 screened RJ45 CAT6 unscreened Cable extension RJ45 CAT6 unscreened RJ45 CAT6 screened Cable extension RJ45 CAT6 screened	933.04.350 933.04.500 933.02.500 933.01.760 933.04.360 933.04.530 933.02.510 933.01.790	Modules can only be ordered already assembled per metre	• • • • • •		• • • • • •	• • • • • •	
Data plate with two telephone/data sockets (Reichle & De-Massari) designed for Security Systems 1 to 3 with cable 3.0 m * and plug dimension 75 x 50 mm RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.640 933.02.540 933.04.650 933.02.550	Modules can only be ordered already assembled		• • • •			
Data plate with two telephone/data sockets (Reichle & De-Massari) designed for Security Systems 1 to 3 Snap In with cable 3.0 m * and plug dimension 50 x 50 mm RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.580 933.01.900 933.04.600 933.01.920	Modules can only be ordered already assembled		• • • •			
Data plate with two telephone/data sockets with inscription field (Reichle & De-Massari) Snap in with cable 3.0 m * and plug dimension 50 x 50 mm RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.590 933.01.910 933.04.610 933.01.930	Modules can only be ordered already assembled		• • • •			


* Cable length measured from termination inside profile.
 More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate for two telephone/data sockets angled outlet with inscription field (Reichle & De-Massari) Snap In with supply cable 3.0 m * and plug dimension 50 x 50 mm RJ45 CAT5e screened Cable extension	933.01.220 933.01.750	Modules can only be ordered already assembled	● ●		● ●	● ●	
RJ45 CAT6 screened Cable extension	933.01.230 933.01.780	per metre / for 2 data cables	● ●		● ●	● ●	
Data plate with one fibre optic coupling SC-RJ, SM/MM and inscription field (Reichle & De-Massari) single channel module with fibre optic cable 3.0 m* and plug dimension 50 x 50 mm	933.03.410	Terms and abbreviations of fibre optic technology on page 152 Module can only be ordered already assembled		●			
Data plate with one fibre optic coupling SC-RJ, SM/MM and inscription field (Reichle & De-Massari) single channel module with fibre optic cable 3.0 m* and plug dimension 50 x 50 mm	933.03.400	Terms and abbreviations of fibre optic technology on page 152 Module can only be ordered already assembled	●		●	●	
Data plate with two fibre optic coupling SC-RJ, SM/MM and inscription field (Reichle & De-Massari) two channel module with fibre optic cable 3.0 m* and plug dimension 50 x 50 mm	933.03.420	Terms and abbreviations of fibre optic technology on page 152 Module can only be ordered already assembled		●			
Fibre optic connecting cable SC (Reichle & De-Massari) MM 50µm duplex SC duplex, 50/125, OM2 Length 3 m	990.90.378	Terms and abbreviations of fibre optic technology on page 152	●	●	●	●	
Data plate with TAE telephone socket NFN, black without connection cable dimension 50 x 50 mm	933.00.290 933.00.291	Module can only be ordered already assembled	●		●		

* Cable length measured from termination inside profile.
 More cable lengths available.


Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate with TV-Radio with coaxial socket black without connection cable dimension 50 x 50 mm	933.00.300	Module can only be ordered already assembled	•				
	933.00.301			•	•		

EVoline® Security Systems for Data Network Connections and Connections Cables Security Grades 1 to 4 and IP 54 from Reichle & De-Massari

Reichle & De-Massari Security System 1:

Reichle & De-Massari security grade 1 is a visual colour coding and dust protection for telephone/data sockets. The colour coding aids the correct connection of data cables to the connections sockets.

Data plate with one telephone socket with inscrip- tion field (Reichle & De-Massari) with hinged dust protection cap with 3.0 m* cable and plug dimension 50 x 50 mm colour: green RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: red RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: blue RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.720 933.02.840 933.04.750 922.02.870 933.04.730 933.02.850 933.04.760 933.02.880 933.04.740 933.02.860 933.04.770 933.02.890	Modules can only be ordered already assembled	•	•			
Data plate with one telephone/data socket angled outlet with inscription field (Reichle & De-Massari) with hinged dust protection cap with 3.0 m* cable and plug dimension 50 x 50 mm colour: green RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: red RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: blue RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened	933.04.660 933.02.780 933.04.690 933.02.810 933.04.670 933.02.790 933.04.700 933.02.820 933.04.680 933.02.800 933.04.710 933.02.830	Modules can only be ordered already assembled	•	•	•	•	





* Cable length measured from termination inside profile.
More cable lengths available.

Kindly refer to page 151 for quality certificate
from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate with two telephone/data socket (Reichle & De-Massari) with hinged dust protection cap with supply 3.0 m* cable and plugs dimension 75 x 50 mm colour: green – red RJ45 CAT5 unscreened 933.04.780 RJ45 CAT5e screened 933.02.900 RJ45 CAT6 unscreened 933.04.810 RJ45 CAT6 screened 933.02.930 colour: green – blue RJ45 CAT5 unscreened 933.04.790 RJ45 CAT5e screened 933.02.910 RJ45 CAT6 unscreened 933.04.820 RJ45 CAT6 screened 933.02.940 colour: red – blue RJ45 CAT5 unscreened 933.04.800 RJ45 CAT5e screened 933.02.920 RJ45 CAT6 unscreened 933.04.830 RJ45 CAT6 screened 933.02.950							
Data connection cable (Patch cable) (Reichle & De-Massari) Length 1 m colour: green telephone/data CAT5	990.90.326	 4 044657 002877					
telephone/data CAT6	990.90.329	 4 044657 002907					
colour: red telephone/data CAT5	990.90.327	 4 044657 002884					
telephone/data CAT6	990.90.330	 4 044657 002914					
colour: blue telephone/data CAT5	990.90.328	 4 044657 002891					
telephone/data CAT6	990.90.331	 4 044657 002921					



Reichle & De-Massari Security System 2:

R&M Security Grade 2, mechanical/visual plug-in protection. The patented mechanical/visual coding „Data Save Lock“ ensures mechanical plug-in protection. An incorrect coupling of connecting cable with connection port is avoided. Undefined conditions within the network can be avoided and sensitive network cards are protected. Erroneous connection of e.g. a token-ring working station to a plug-in spot designated for telephone can therefore be avoided.

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Data plate with one telephone/data socket with inscription field (Reichle & De-Massari) with plug-in protection code „A“ anthracite Colour code: blue, red, green, anthracite with 3.0 m* cable and plug dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.880	Modules can only be ordered already assembled		●			
RJ45 CAT5e screened	933.03.000			●			
RJ45 CAT6 unscreened	933.04.900			●			
RJ45 CAT6 screened	933.03.020			●			
Data plate with one telephone/data socket angled outlet with inscription field (Reichle & De-Massari) with plug-in protection code „A“ anthracite with 3.0 m* cable and plug dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.840	Modules can only be ordered already assembled	●		●	●	
RJ45 CAT5e screened	933.02.960		●		●	●	
RJ45 CAT6 unscreened	933.04.860		●		●	●	
RJ45 CAT6 screened	933.02.980		●		●	●	
Data plate with one telephone/data socket with inscription field (Reichle & De-Massari) with plug-in protection code „B“ white Colour code: violet, white, yellow, brown with 3.0 m* cable and plug dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.890	Modules can only be ordered already assembled		●			
RJ45 CAT5e screened	933.03.010			●			
RJ45 CAT6 unscreened	933.04.910			●			
RJ45 CAT6 screened	933.03.030			●			
Data plate with one telephone/data socket angled outlet with inscription field (Reichle & De-Massari) with plug-in protection code „B“ white Colour code: violet, white, yellow, brown with 3.0 m* cable and plug dimension 50 x 50 mm							
RJ45 CAT5 unscreened	933.04.850	Modules can only be ordered already assembled	●		●	●	
RJ45 CAT5e screened	933.02.970		●		●	●	
RJ45 CAT6 unscreened	933.04.870		●		●	●	
RJ45 CAT6 screened	933.02.990		●		●	●	

* Cable length measured from termination inside profile.
 More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
<p>Data plate with two telephone/data socket with inscription field (Reichle & De-Massari) with plug-in protection code „A“ anthracite Colour code: blue, red, green, anthracite and „B“ white Colour code: violet, white, yellow, brown</p> <p>with supply 3.0 m* cable and plugs</p> <p>dimension 75 x 50 mm</p> <p>RJ45 CAT5 unscreened RJ45 CAT5e screened</p> <p>RJ45 CAT6 unscreened RJ45 CAT6 screened</p>	<p>933.04.920 933.03.040</p> <p>933.04.930 933.03.050</p>	<p>Modules can only be ordered already assembled</p>		<div><div></div><div></div><div></div><div></div></div>			
<p>Data connection cable (Patch cable) (Reichle & De-Massari) Length 1 m</p> <p>Code „A“ anthracite Colour code: blue, red, green, anthracite Telephone/data CAT5 Telephone/data CAT6</p> <p>Code „B“ withe Colour code: violet, white, yellow, brown Telephone/data CAT5 Telephone/data CAT6</p>	<p>990.90.332 990.90.334</p> <p>990.90.333 990.90.335</p>		<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div></div>	

* Cable length measured from termination inside profile.
More cable lengths available.

Kindly refer to page 151 for quality certificate
from Reichle & De-Massari



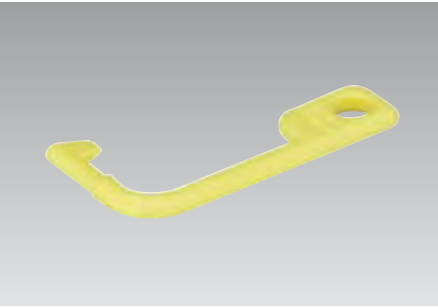

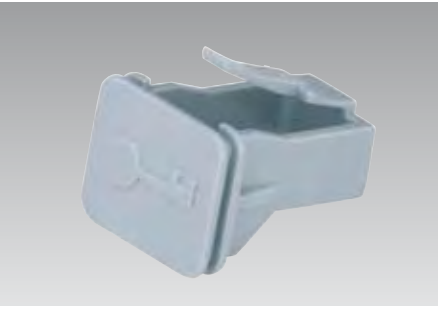
Reichle & De-Massari Security System 3:

R&M Security Grade 3, mechanical unplugging protection. The protection sleeve Plug Guard can only be unlocked with the right key; erroneous removal of RJ45 connection cable is made impossible, loss of data is avoided. Only authorised persons are entitled to loosen the connections. Colour coding for connections. Furthermore, an unauthorised plugging-in will be hindered by using Jack Guard with the Plug Guard.

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Data plate for one telephone/data socket with inscription field (Reichle & De-Massari) with unplug protection with supply 3.0 m cable and plugs dimension 50 x 50 mm colour: green RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: red RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: white RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened							
	933.05.000						
	933.03.120			•			
	933.05.030			•			
	933.03.150			•			
	933.05.010			•			
	933.03.130			•			
	933.05.040			•			
	933.03.160			•			
	933.05.020			•			
	933.03.140	Modules can only be ordered already assembled		•			
	933.05.050			•			
	933.03.170			•			
Data plate for one telephone/data socket angled outlet with inscription field (Reichle & De-Massari) with unplug protection with supply 3.0 m cable and plugs dimension 50 x 50 mm colour: green RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: red RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened colour: white RJ45 CAT5 unscreened RJ45 CAT5e screened RJ45 CAT6 unscreened RJ45 CAT6 screened							
	933.04.940		•		•	•	
	933.03.060		•		•	•	
	933.04.970		•		•	•	
	933.03.090		•		•	•	
	933.04.950		•		•	•	
	933.03.070		•		•	•	
	933.04.980		•		•	•	
	933.03.100		•		•	•	
	933.04.950	Modules can only be ordered already assembled	•		•	•	
	933.03.080		•		•	•	
	933.04.990		•		•	•	
	933.03.110		•		•	•	

* Cable length measured from termination inside profile.
 More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate for two telephone/data sockets (Reichle & De-Massari) with unplug protection with supply 3.0 m cable and plugs dimension 75 x 50 mm colour: green - red RJ45 CAT5 unscreened 933.05.060 RJ45 CAT5e screened 933.03.180 RJ45 CAT6 unscreened 933.05.090 RJ45 CAT6 screened 933.03.210 colour: green - white RJ45 CAT5 unscreened 933.05.070 RJ45 CAT5e screened 933.03.190 RJ45 CAT6 unscreened 933.05.100 RJ45 CAT6 screened 933.03.220 colour: red - white RJ45 CAT5 unscreened 933.05.080 RJ45 CAT5e screened 933.03.200 RJ45 CAT6 unscreened 933.05.110 RJ45 CAT6 screened 933.03.230				• • • • • • • • • • • •			
Key for Plug Guard (Reichle & De-Massari) Key for releasing the terminal connection (Illustration to look similar)		 4 044657 003256	•	•	•	•	
Packing unit 1 piece	990.90.366						
Jack Guard (Reichle & De-Massari) Plug-in connector for connection sockets		 4 044657 003263	•	•	•	•	
Packing unit 20 pieces	990.90.367						





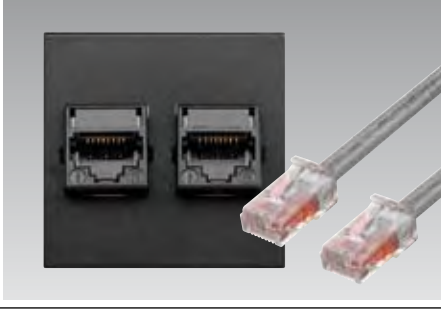
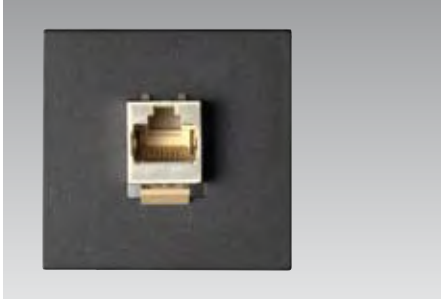
Reichle & De-Massari Security System 4:

The security grade 4 from Reichle & De-Massari protects plug-in connections against dust and water. Protection up to IP54 even with closed connections point. The colour coding of cables for telephone/data applications is visible thanks to transparent splash grommets. All components are made of halogen free material according to DIN / VDE 0472/815.

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Data plate with one telephone/data socket with inscription field (Reichle & De-Massari) with protection against dust and liquids up to IP 54 with 3.0 m* cable and plug dimension 50 x 50 mm colour: green RJ45 CAT5 unscreened 933.05.120 RJ45 CAT5e screened 933.03.240 RJ45 CAT6 unscreened 933.05.150 RJ45 CAT6 screened 933.03.270 colour: red RJ45 CAT5 unscreened 933.05.130 RJ45 CAT5e screened 933.03.250 RJ45 CAT6 unscreened 933.05.160 RJ45 CAT6 screened 933.03.280 colour: blue RJ45 CAT5 unscreened 933.05.140 RJ45 CAT5e screened 933.03.260 RJ45 CAT6 unscreened 933.05.170 RJ45 CAT6 screened 933.03.290							
Data plate with two telephone/data socket (Reichle & De-Massari) with protection against dust and liquids up to IP 54 with supply 3.0 m* cable and plugs dimension 75 x 50 mm colour: green - red RJ45 CAT5 unscreened 933.05.180 RJ45 CAT5e screened 933.03.300 RJ45 CAT6 unscreened 933.05.210 RJ45 CAT6 screened 933.03.330 colour: green - blue RJ45 CAT5 unscreened 933.05.190 RJ45 CAT5e screened 933.03.310 RJ45 CAT6 unscreened 933.05.220 RJ45 CAT6 screened 933.03.340 colour: blue - red RJ45 CAT5 unscreened 933.05.200 RJ45 CAT5e screened 933.03.320 RJ45 CAT6 unscreened 933.05.230 RJ45 CAT6 screened 933.03.350							
Data connecting cable (Patch cable) with splash grommet (Reichle & De-Massari) Length 1 m telephone/data CAT5, colour: green 990.90.338 telephone/data CAT6, colour: green 990.90.341 telephone/data CAT5, colour: red 990.90.339 telephone/data CAT6, colour: red 990.90.342 telephone/data CAT5, colour: blue 990.90.340 telephone/data CAT6, colour: blue 990.90.343							






* Cable length measured from termination inside profile.
 More cable lengths available.

Kindly refer to page 151 for quality certificate
 from Reichle & De-Massari

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate with one TERA-Socket (Siemon) CAT7, 1200 MHz an TERA-Plug with 3.0 m cable * and plug dimension 50 x 50 mm Cable extension	933.03.380 933.04.560	Module can only be ordered already assembled per metre / for 1 data cable		•			
Data plate with two TERA-Sockets (Siemon) CAT7, 1200 MHz and two TERA-Plugs with supply 3.0 m cable * and plugs dimension 50 x 50 mm Cable extension	933.03.390 933.04.570	Module can only be ordered already assembled per metre / for 2 data cables		•			
Data plate with one TERA-Sockets Angled outlet with inscription field (Siemon) CAT7, 1200 MHz and two TERA-Plugs with 3.0 m Cable * and plugs dimension 50 x 50 mm Cable extension	933.03.370 933.04.560	Module can only be ordered already assembled per metre / for 1 data cable	•			•	
Data plate with two telephone/data sockets Systemax (Avaya) Gigaspeed CAT6, unscreened with 3.0 m Cable * and plugs dimension 50 x 50 mm	933.04.370	Module can only be ordered already assembled		•			
Data plate with two telephone/data sockets Angled outlet Systemax (Avaya) Gigaspeed CAT6, unscreened with 3.0 m Cable * and plugs dimension 50 x 50 mm	933.04.550	Module can only be ordered already assembled	•		•	•	
Data plate for one modular adaptor for telephone/data socket dimension 50 x 50 mm RJ45 CAT6 screened	933.03.930	Module can only be ordered already assembled		•			

* Cable length measured from termination inside profile.



Kindly refer to page 151 for quality certificate from Reichle & De-Massari.
 Kindly refer to page 151 for certificate on modular adaptors.




Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
Data plate for one modular adaptor for telephone/data socket with inscriptions field dimension 50 x 50 mm RJ45 CAT6 screened	933.03.960	Module can only be ordered already assembled		●			
Data plate for two modular adaptor for telephone/data socket dimension 50 x 50 mm RJ45 CAT6 screened	933.03.940	Module can only be ordered already assembled		●			
Data plate for two modular adaptors for telephone/data socket angled outlet with inscription field dimension 50 x 50 mm RJ45 CAT6 screened	933.03.920	Module can only be ordered already assembled	●		●	●	
Data plate for two modular adaptors for telephone/data socket with inscriptions field dimension 50 x 50 mm RJ45 CAT6 screened	933.03.970	Module can only be ordered already assembled		●			
Data plate for three modular adaptors for telephone/data socket dimension 75 x 50 mm RJ45 CAT6 screened	933.03.950	Module can only be ordered already assembled		●			

Kindly refer to page 151 for certificate on modular adaptors.

EVoline® Security Systems

Ground connection for laboratories and work places where electrostatic charges should be avoided.

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub Desk	Picture
Ground connection Grounded connection point for work places, bonding point (E.S.D.) dimension 50 x 50 mm	933.03.360	Module can only be ordered already assembled		●	●		
Three connectors for a compressed air supply 1 coupler plug FESTO KS4 (within the end cap) 3 connection sockets FESTO KD4 (nominal width 1/4 inch) including proper end cap dimension 100 x 50 mm	933.00.650	Module can only be ordered already assembled		●			

Article	Type	EAN / Comment	Port	Dock	V Dock	Sub DESK	Picture
EVoline® Controller Technical data: Dimensions: 50 x 50 x 20 mm Nominal voltage: 12 V DC (Plug-in power supply) Communication signal: infrared Carrier frequency: 36 KHz 8 internal keys: freely programmable 4 internal relays: switching function programmable via WINDOWS® terminal program - ON / OFF bistable function - monostable function (hold) - automatic time switch (0...1000 s) - UP/DOWN locking - single pulse Communication Interfaces: 1 x RS232, 1 x RJ45 Baudrate: 300 ... 115.200 Display relay switching condition: 4 LEDs (red) standby: 1 LED (red) IR remote: 1 LED (red)							
	933.03.610	for installation in EVoline® Port	●				
	933.03.640	for installation in EVoline® Dock		●	●		
EVoline® Keypad 8 x 1 Technical data: Dimensions: 50 x 50 x 20 mm Nominal voltage: 12 V DC (Plug-in power supply) 8 push buttons (locks) Switching cycles: 50.000 Load capacity: 50 mA DC Voltage: < 48 V Panel illumination: blue Power consumption: 30 mA Delivered with: individually printable insert technical data sheet operating manual							
	933.03.620	for installation in EVoline® Port	●				
	933.03.650	for installation in EVoline® Dock		●	●		
EVoline® System Power Adaptor Technical data: Dimensions: 50 x 50 mm Input voltage: 230 V~ Voltage: 12 V DC With 3 m power cables and power plugs.							
	933.03.630	for installation in EVoline® Port	●				
	933.03.660	for installation in EVoline® Dock		●	●		



Zertifikat

Auftraggeber: Reichle & De-Massari AG
Binzstrasse 31
CH-8622 Wetzikon / Switzerland

Prüfung: **R&M Kategorie 6, geschirmte RJ45 Buchse**
Art.-Nr.: R302372

Bewertungsstandards: ISO/IEC 11801: 2002-09
Information technology – Generic cabling for customer premises
EN 50173-1
Information technology – Generic cabling systems Part1
IEC 60603-7-5 / Ed. 1.0 (Draft 05.2002): Connectors for electronic equipment – Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for Data transmissions with frequencies up to 250 MHz (Cat 6, shielded)
TIA/EIA-568-B.2-1 (Addendum No.1 to TIA/EIA-568-B.2) - June 2002
Transmission Performance Specifications for 4-Pair 100Ω Category 6 Cabling

Resultat: Der Prüfling hält bei den im Prüfbericht genannten Prüfparametern die Grenzwerte der besagten Vorgabedokumente ein.
Für alle Paarkombinationen wird die interoperable Konformität der RJ45-Buchse nach den Anforderungen der Kategorie 6 bis 250 MHz bescheinigt.
Die bei der Prüfung ermittelten Ergebnisse beziehen sich auf den beschriebenen und vom Auftraggeber vorgelegten Prüfling. Zukünftige technische Änderungen der RJ45-Buchse unterliegen dem Verantwortungsbereich der Hersteller.

Dieses Zertifikat verweist auf den ausführlichen Prüfbericht **PB-Nr. P1063a-03-D** vom **27. Februar 2003** und ist nur in Verbindung mit diesem gültig.

Bexbach, 27. Februar 2003


 Dipl.-Ing. Frank Streibert
(Vorstand)



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GHMT Aktiengesellschaft

MERKBLATT KAT. 6

Gehen Sie auf Nummer Sicher!

Bind Sie überzeugt, dass Ihr Netz echte Kat. 6-Leistung erreicht?

Lassen Sie sich die Leistungsfähigkeit Ihrer Netz-Komponenten biegen, wenn sie in Verkabelungen der Leistungskategorie Kat. 6 investieren. Fragen Sie Ihren Systemlieferanten nach Zertifikaten von unabhängigen Prüfinstituten. Achten Sie darauf, dass die Produkte uneingeschränkt kompatibel sind, dass sie die Normen wirklich erfüllen und Datenübertragung in höchster Qualität gewährleisten. Nur so sind Ihre Investitionen langfristig geschützt.

Dies sind die entscheidenden Qualitätskriterien für Kat. 6-Produkte:

- **Interoperabilität**
Verlangen Sie Kat. 6-Komponenten, die nach dem De-embedded-Verfahren zertifiziert wurden. De-embedded bedeutet: Das Labor testet den Prüfling im Zusammenspiel mit Komponenten, deren Übertragungseigenschaften gerade am Rande der Zulassung liegen. Eine Anschlussbuchse beispielsweise lässt man mit einer ganzen Reihe von Referenzsteckern, ausgewählt nach gerade noch zulässigen Extremwerten. Wenn die Buchse diese Prüfung besteht, ist sie 100 % kompatibel zu allen anderen echten Kat. 6-Produkten.

Zertifikate über so genannte Channel-Messungen garantieren die Interoperabilität nicht. Denn dieses Verfahren erfasst nur die Eigenschaften einer kompletten Verbindung und nicht die von einzelnen Komponenten. Sie funktionieren Stecker und Anschlussmodule ein und desselben Herstellers test immer miteinander. Ein Zusammenspiel mit Komponenten anderer Hersteller ist damit nicht gesichert.
- **Rückwärtskompatibilität**
Durch das De-embedded-Verfahren ist automatisch sicher gestellt, dass jede zertifizierte Kat. 6-Komponente abwärtskompatibel zu Installationen der Leistungskategorie Kat. 5 (2002) ist.
- **Normen**
Inzwischen sind alle relevanten Normen im Verkabelungsbereich vereinheitlicht. Zertifikate, die noch auf Drafts verweisen, sind also wertlos.

Verlangen Sie auch, dass die Komponenten nicht nach einer, sondern nach allen gültigen Normen geprüft sind.

Achten Sie zugleich auf die Messverfahren. Manche Labors verkürzen die Messreihen, indem sie eine Übertragungseigenschaft nicht mit Maximal- und Minimalwert steuern, sondern mit einem „bequemen“ Mittelwert steuern.

Das Beispiel: Zertifizierung der R&M-Anschlussmodule

Jeweils zwei unabhängige Zertifikate dokumentieren die Prüfung und Leistungsfähigkeit der geschirmten und der ungeschirmten Versionen von Kat. 6-Anschlussmodulen. Die Messungen wurden an zwei akkreditierten Labors durchgeführt: DELTA und GHMT.

DELTA
Akkreditiert vom dänischen Ministerium für Wirtschaft und Industrie.
Zertifikate in englischer Sprache.

No. 2003-03 Screened Category 6 Connecting Hardware
De-embedded test method

Product description
Screened Category 6 RJ45 jack

Generic cabling standards, cable standards
 • ISO/IEC 11801:2002
 • EN 50173-1:2002
 • ANSI/TIA/EIA-568-B.2-1

This product has been tested by the EC (European Cabling) group of DELTA and complies with the electrical requirements of the above specified standards. The mated pair requirements are passed using the complete specified de-embedded range of RJ45 plugs.


GHMT
Akkreditiert nach DIN EN ISO/IEC 17025 durch den Deutschen Akkreditierungsrat. Zertifikate in deutscher Sprache.

Nur Zertifikate, die nach dem 27.02.03 datiert sind, beruhen auf einer vollständigen De-embedded-Messung. Andere Zertifikate sind als unvollständig zu betrachten, da nicht alle Kombinationen mit den Referenzsteckern gemessen wurden.

Achten Sie auf den Hinweis „CAT. 6 (IEC)“ im Dreieck des De-embedded-Logo. Dann sind Sie sicher, dass die Messungen vollständig und nach dem neuesten Stand durchgeführt wurden. R&M hat als erstes Unternehmen seine Komponenten bei GHMT auf diese vollständige Art zertifizieren lassen.

R&M
Connecting cabling solutions

März 2003



Attestation of Conformity

ISO/IEC, EN & TIA/EIA Screened
Class E / Category 6
Three Connector Permanent Link

Hyper® Category 6
Standard: EN 50173-1:2002, TIA/EIA-568-B.2-1 (Addendum No.1 to TIA/EIA-568-B.2) - June 2002

Declaration of Conformity: The Manufacturer hereby declares that the product conforms to the requirements of the standards mentioned above.

Product description: Hyper® Category 6 Three Connector Permanent Link

Tested by: GHMT AG, Bebbach, Germany

Tested on: 27.02.2003

Tested by: Frank Streibert, Director

Tested by: GHMT AG, Bebbach, Germany

Tested on: 27.02.2003

Tested by: Frank Streibert, Director

Schulte Elektrotechnik uses only officially certified products for data and power supply applications.







Table of Colours

Choice of standard colours
 More RAL colour tones available.



Table of Countries

Which socket is used in which country:

Germany, Austria	France, Belgium, Poland	Great Britain	Switzerland	Denmark	Italy	Australia	USA, Canada	China
Germany Austria Netherlands Italy Portugal Spain Sweden Norwegia Finland Slovenia Afghanistan Andorra Romania Vatican City San Marino Hungary Estonia South Korea Indonesia Iceland Chile Part of El Salvador Bulgaria	France Belgium Poland Monaco Czechia Slovakia numerous former French colonies	United Kingdom of Great Britain and Northern Ireland (exclusive) Ireland (exclusive) Singapore (exclusive) Malaysia (exclusive) Cyprus Malta Gibraltar Botswana Ghana Hong Kong Macau Brunei Oman Kenya Iraq Qatar Parts of El Salvador	Switzerland Liechtenstein Rwanda	Denmark	Italy Countries in Africa Countries in South America South Tyrol Parts of Kenya	Australia New Zealand Papua New Guinea China (partially) Argentina Uruguay Fidji Parts of Japan	USA Canada Mexico North America (USA), Guatemala, Jamaica and Venezuela Dominican Republic Parts of Brazil Parts of Japan	China Israel
								

Abbildungen 60° Variante

Angaben ohne Gewähr

Terms and abbreviations of fibre optic technology:

SC: worldwide prevalent glass fibre plug, construction according to IEC 60874-14

SC-Duplex: duplex-Version of SC-plug

SC-RJ: compact version of SC duplex-plug with dimensions of a RJ45 bush, construction according to EN 50377-6-1/1-2

MM = Multi Mode: many modes (light signals) transmit the light, fibre: 50/125 µm, standard also 62,5/125 µm, for LAN-applications

SM = Single Mode: only one mode (light signal) transmits the light, fibre: 9/125 µm, for application in case of long distances and high bandwidths

50/125 µm: indication of fibre geometry, core of fibre measures Ø of 50 µm, cover of fibre measures Ø of 125 µm

OM2: category of fibre quality according to EN 50173, standard quality for LAN applications

Duplex: transmission of signals via two fibres / transmission channels

Simplex: transmission of signals via one fibre / transmission channels

Characteristics of EVoline® VGA Cable:

flame resistant
halogenfree

attenuation f (MHz) dB/100 m
100 14,5

impedance 75Ω

conductor 3 x 0,5mm Ø (Koax)
cross section 1 x 0,4mm Ø (Koax)
2x3 x 0,08mm Ø (Koax)

bending radius 72 mm

outer diameter 7,3 ± 0,3 mm

length of transmission see supplementary sheet

The EVoline® VGA cable are halogen-free and flame resistant.

Due to the high quality internal structure of fibres the complete VGA mode is transmitted. Three co-axial fibres 75 Ohm transmit the RGV signal without loss (depending on length, refer to table), six steering fibres serve the transmission of DDC mode and hardware detect. The high transmission quality is achieved due to the extremely low attenuation in construction of co-axial fibres, combined with an optimal synchronization factor. Furthermore, the performance of the H-V-Sync. Transmission is excellent.

The EVoline® VGA cables are worth their price.

In the end the quality of the transmitted picture counts most, to execute your presentation on a permanently exemplary level. Please do not be confused by the number of offers. Decide on a high-end product "Made in Germany".

We wish for you to see CLEARLY!

EVoline® VGA Cabel Matrix

Solution	Pixel		Video Refresh Rate (Hz)	Band Width (MHz)	Indication of Signal Transmission in Metres. Transmission of Signal up to							
	(horizontal)	(vertical)			5 m	10 m	15 m	20 m	25 m	50 m	75 m	100m
VGA	640	480	75	35	x	x	x	x	x	x	x	x
VGA	640	480	85	39	x	x	x	x	x	x	x	x
S VGA	800	600	75	54	x	x	x	x	x	x	x	-
S VGA	800	600	85	61	x	x	x	x	x	x	x	-
XGA	1024	768	75	89	x	x	x	x	x	x	x	-
XGA	1024	768	85	100	x	x	x	x	x	x	-	-
XGA	1024	768	100	118	x	x	x	x	x	x	-	-
	1152	864	75	112	x	x	x	x	x	x	-	-
	1152	864	85	127	x	x	x	x	x	x	-	-
	1152	864	100	149	x	x	x	x	x	x	-	-
S XGA	1280	1024	75	148	x	x	x	x	x	-	-	-
S XGA	1280	1024	85	167	x	x	x	x	-	-	-	-
U XGA	1600	1200	75	216	x	x	x	-	-	-	-	-
U XGA	1600	1200	85	2445	x	x	-	-	-	-	-	-

Explanations Regarding Cable Matrix VGA

VGA (Video Graphics Adapter), video graphics standard, at least 640 x 480 pixel.

S VGA (Super Video Graphics Adapter) Super-Video Graphics Standard developed by VESA, the graphics standard, which supports the graphics mode of 640 x 480 pixel with 256 colours up to 1280 x 1024 pixel with at least 16 colours.

XGA (EXtended Graphics Adapter) solution with monitors, displays and digital cameras of 1024 x 768 pixel.

S XGA (Super eXtended Graphics Adapter) solution with digital cameras of 1280 x 960 pixel.

U XGA (Ultra eXtended Graphics Adapter) solution with notebook displays of 1600 x 1200 pixel.

www.schulte.com

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