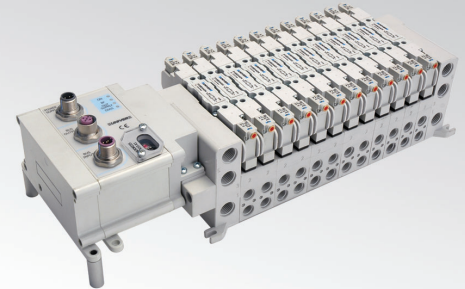
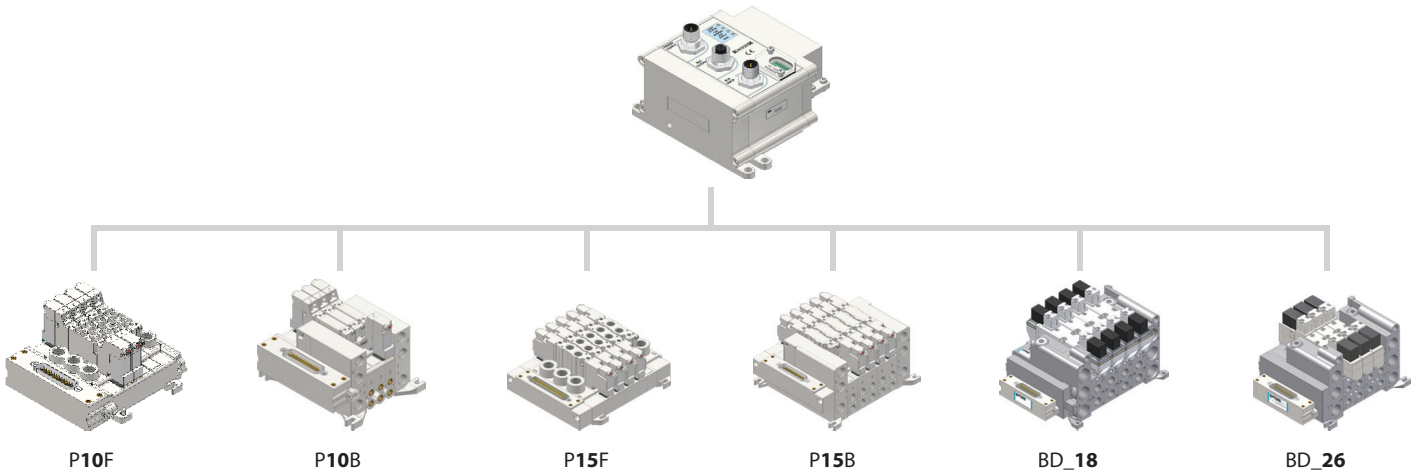


### CHARACTERISTICS

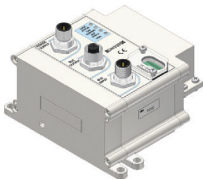
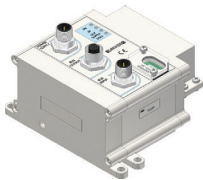
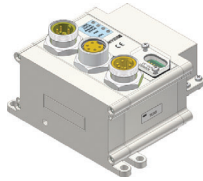



Controlled devices	Manifolds, Digital input M12/M8, Output M12
Handling capacity	Max 64 inputs + 64 outputs (PROFIBUS-DP, CANopen, DeviceNet)
	Max 64 inputs + 88 outputs (PROFINET, EtherNet/IP, EtherCAT)
Integrated configuration	BD series (VDMA) 18 - 26 mm
	P10 - P15 series (COMPACT)
Distributed configuration	Remote expansion modules for valve manifolds with sub-D 25 plug-in
FieldBus protocols	CANopen, DeviceNet, PROFINET, PROFIBUS-DP, EtherNet/IP, EtherCAT



### Serial module for all manifold models



### Serial module

<p>■ CANopen</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXC</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x M12 - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>1 x M12 - 5 pins male</td> </tr> <tr> <td>Connectors</td> <td>1 x M12 - 5 pins female</td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 40 Out 24 coils</td> </tr> <tr> <td>LSS Slave</td> <td>supported</td> </tr> </table>	Part No.	TCXC	Auxiliary power supply	1 x M12 - 4 pins male	Fieldbus	1 x M12 - 5 pins male	Connectors	1 x M12 - 5 pins female	Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 40 Out 24 coils	LSS Slave	supported	<p>■ PROFIBUS-DP</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXP</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x M12 - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>1 x M12 - 4 pins male B code</td> </tr> <tr> <td>Connectors</td> <td>1 x M12 - 4 pins female B code</td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 40 Out 24 coils</td> </tr> </table>	Part No.	TCXP	Auxiliary power supply	1 x M12 - 4 pins male	Fieldbus	1 x M12 - 4 pins male B code	Connectors	1 x M12 - 4 pins female B code	Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 40 Out 24 coils
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<p>■ DeviceNet</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXD</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x 7/8" - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>1 x 7/8" - 5 pins male</td> </tr> <tr> <td>Connectors</td> <td>1 x 7/8" - 5 pins female</td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 40 Out 24 coils</td> </tr> </table>	Part No.	TCXD	Auxiliary power supply	1 x 7/8" - 4 pins male	Fieldbus	1 x 7/8" - 5 pins male	Connectors	1 x 7/8" - 5 pins female	Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 40 Out 24 coils	<p>■ EtherNet/IP</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXEN</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x M12 - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>2 x M12 - 4 pins female D code</td> </tr> <tr> <td>Connectors</td> <td></td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 64 Out 24 coils</td> </tr> </table>	Part No.	TCXEN	Auxiliary power supply	1 x M12 - 4 pins male	Fieldbus	2 x M12 - 4 pins female D code	Connectors		Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 64 Out 24 coils		
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<p>■ PROFINET</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXPN</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x M12 - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>2 x M12 - 4 pins female</td> </tr> <tr> <td>Connectors</td> <td>D code</td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 64 Out 24 coils</td> </tr> </table>	Part No.	TCXPN	Auxiliary power supply	1 x M12 - 4 pins male	Fieldbus	2 x M12 - 4 pins female	Connectors	D code	Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 64 Out 24 coils	<p>■ EtherCAT</p>  <table border="1"> <tr> <td>Part No.</td> <td>TCXEC</td> </tr> <tr> <td>Auxiliary power supply</td> <td>1 x M12 - 4 pins male</td> </tr> <tr> <td>Fieldbus</td> <td>2 x M12 - 4 pins female D code</td> </tr> <tr> <td>Connectors</td> <td></td> </tr> <tr> <td>Diagnostics</td> <td>Optical, Primary, Extended</td> </tr> <tr> <td>Capacity max I/O</td> <td>64 In - 64 Out 24 coils</td> </tr> </table>	Part No.	TCXEC	Auxiliary power supply	1 x M12 - 4 pins male	Fieldbus	2 x M12 - 4 pins female D code	Connectors		Diagnostics	Optical, Primary, Extended	Capacity max I/O	64 In - 64 Out 24 coils		
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Configurable expansion modules

<p>■ <b>TC8I412</b> No. 8 Digital inputs M12</p>	<p>■ <b>TC16I812</b> No. 16 Digital inputs M12</p>	<p>■ <b>TC8U412</b> No. 8 Digital outputs M12</p>	<p>■ <b>TC8I808</b> No. 8 Digital inputs M8</p>	<p>■ <b>TCR32ID</b> No. 16+16 Digital inputs</p> <p>■ <b>TCR32UD</b> No. 16+16 Digital outputs</p> <p>■ <b>TCR1616</b> No. 16 Digital inputs + No. 16 Digital outputs</p>

TZ-F4M12      TZ-F5M12      TZ-M5M12/T      TZ-F478      TZ-F578



<p>CANopen, ProfiBus, ProfiNet EtherNet/IP, EtherCat Power Supply Connector M12 female 4 poles</p>	<p>CanOpen Input Bus M12 female 5 poles</p>	<p>CanOpen Output Bus M12 male 5 poles</p> <p><b>TZ-M5M12-T</b> ProfiBus, Bus terminating connector M12 male 5 poles</p>	<p>DeviceNet Power Supply Connector 7/8 female 4 poles</p>	<p>DeviceNet Input Bus 7/8 female 5 poles</p>
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TZ-M578/T      TZ-F5M12-B      TZ-M4M12-B/BT      TZ-M4M12-D      TSCFN16...



<p><b>TZ-M578</b> DeviceNet Input Bus 7/8 male 5 poles</p> <p><b>TZ-M578T</b> DeviceNet Bus terminating connector 7/8 male 5 poles</p>	<p>ProfiBus Input Bus M12 female 5 poles B-code</p>	<p><b>TZ-M4M12-B</b> ProfiBus Output Bus M12 male 4 poles B-code</p> <p><b>TZ-M4M12-BT</b> ProfiBus, Bus terminating connector M12 male 4 poles B-code</p>	<p>ProfiNet, EtherNet/IP, EtherCat Input/Output Bus M12 male 4 poles D-code</p>	<p><b>TSCFN16D0300</b> Prewired cable, sub-D, 25 poles, 16 signals 3 m</p> <p><b>TSCFN16D0500</b> Prewired cable, sub-D 25 poles, 16 signals 5 m</p> <p><b>TSCFN16D1000</b> Prewired cable, sub-D 25 poles, 16 signals 10 m</p>
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Assembly scheme

- 1 FieldBus Module
- 2 Auxiliary Module - Inputs 8 x M8
- 3 Auxiliary Module - Inputs 4 x M12
- 4 Auxiliary Module - Outputs 4 x M12
- 5 TCXX end cover included (1 pc)
- 6 TCXX cover screws included (4 pcs.)
- 7 I/O tie-rods included (4 pcs.)
- 8 TFP010 1 mm for valves P10F-P15F (2 pcs.)  
TFP060 6 mm for valves BD 18-26 mm (2 pcs.)  
TFP178 17,5 mm for valves P10B (2 pcs.)  
TFP257 25,7 mm for valves P15B (2 pcs.)
- 9 Adaptor for 18-26 mm VDMA Manifold