

# Pneumatische und elektrische Module der Ventilinsel VTUG – die kompakte Plattform für Ihre Anwendung

## Feldbussysteme bei CTEU

**CANopen**  
CANopen wurde ursprünglich für die Automobilindustrie von einem Fernerwartung und Leistung von Bosch entwickelt.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

**EtherCAT**  
EtherCAT ist ein echtzeitfähiger Bus und wurde von Bechhoff und der EtherCAT Technology Group (ETG) entwickelt.  
EtherCAT wird in einer offenen Technologie, genannt in den Internationalen Standards IEC 61158, IEC 61784 sowie in ISO 11474-4.

**DeviceNet**  
DeviceNet ist ein offener Feldbusstandard und wurde von Rockwell Automation, Siemens und Leuze + Wiedemann entwickelt.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

**AS-Interface**  
AS-Interface ist ein herstellereigenes, einfaches und robustes Installationssystem.  
Es verbindet die Vorteile von AS-Interface und AS-Interface, indem es einen Verbund aus AS-Interface und AS-Interface in einer offenen Technologie, genannt in den Internationalen Standards IEC 61158, IEC 61784 sowie in ISO 11474-4.

**CC-Link**  
CC-Link ist ein offener Feldbusstandard und wurde von Mitsubishi Electric entwickelt und steht seit 1999 als offener Feldbus-Netzwerk zur Verfügung.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

**PROFINET**  
PROFINET ist ein offener Industrial Ethernet Standard von Profibus & Profinet International (PI) für die Automatisierung und basiert auf Ethernet (TCP/IP) und IEC 61883.  
Es basiert auf der PROFINET-Technologie durch Siemens und der PROFIBUS-Netzwerkelemente. PROFINET ist in IEC 61158 und IEC 61784 standardisiert.

**IO-Link**  
IO-Link ist ein offener Feldbusstandard und wurde von Bosch, Siemens und Leuze + Wiedemann entwickelt.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

**EtherNet/IP**  
EtherNet/IP ist ein offener Feldbusstandard und wurde von Rockwell Automation und der ODVA (Open DeviceNet Vendor Association) entwickelt.  
EtherNet/IP ist ein offener Feldbus-Netzwerk, der die Vorteile von EtherNet/IP und CAN in einer offenen Technologie, genannt in den Internationalen Standards IEC 61158, IEC 61784 sowie in ISO 11474-4.

**PROFIBUS**  
Profibus ist ein offener Feldbusstandard und wurde von Siemens entwickelt und ist in der internationalen Norm IEC 61593-1 standardisiert.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

**EtherNet/IP**  
EtherNet/IP ist ein offener Feldbusstandard und wurde von Rockwell Automation und der ODVA (Open DeviceNet Vendor Association) entwickelt.  
EtherNet/IP ist ein offener Feldbus-Netzwerk, der die Vorteile von EtherNet/IP und CAN in einer offenen Technologie, genannt in den Internationalen Standards IEC 61158, IEC 61784 sowie in ISO 11474-4.

**VARIAN**  
VARIAN (Virtuelle Automation Remote Access Network) ist ein echtzeitfähiges Ethernet-Netzwerk, das die Vorteile von Ethernet und CAN in einer offenen Technologie, genannt in den Internationalen Standards IEC 61158, IEC 61784 sowie in ISO 11474-4.

**IO-Link**  
IO-Link ist ein offener Feldbusstandard und wurde von Bosch, Siemens und Leuze + Wiedemann entwickelt.  
Seit 1995 von der Organisation CAN in Zusammenarbeit gefertigt und seit Ende 2002 als weltweite Norm IEC 61593-1 standardisiert.

## Sicher: Auswahl Feldbusmodul

**Schnell das richtige Modul**

- Sichere Auswahl
- Einfaches Bestellen

[www.festo.com/catalogue/ctu](http://www.festo.com/catalogue/ctu)

## Einfach finden: Support Portal

**Unterstützung online**

- Produktinformationen
- Anwendungsinformationen
- Zertifikate
- Software

[www.festo.com/sp/ctu](http://www.festo.com/sp/ctu)

## Feldbusknoten und Industrial Ethernet

| Typ         | CTEU-CC   | CTEU-DN | CTEU-CC | CTEU-PB | CTEU-PB-EAS | CTEU-CC | CTEU-AS | CTEU-PB | CTEU-PB-EAS | CTEU-CC | CTEU-VN | CTEU-CP |
|-------------|-----------|---------|---------|---------|-------------|---------|---------|---------|-------------|---------|---------|---------|
| Teil-Nr.    | 570018    | 570029  | 570038  | 570040  | 570048      | 570055  | 570067  | 570077  | 570089      | 570097  | 570107  | 570117  |
| Produkt     | CANopen   | CANopen | CANopen | CANopen | CANopen     | CANopen | CANopen | CANopen | CANopen     | CANopen | CANopen | CANopen |
| Anschlüsse  | Sub-D     | Sub-D   | Sub-D   | Sub-D   | Sub-D       | Sub-D   | Sub-D   | Sub-D   | Sub-D       | Sub-D   | Sub-D   | Sub-D   |
| Schutzart   | IP65/IP67 | IP65    | IP65    | IP65    | IP65        | IP65    | IP65    | IP65    | IP65        | IP65    | IP65    | IP65    |
| Erweiterung | 16        | 16      | 16      | 16      | 16          | 16      | 16      | 16      | 16          | 16      | 16      | 16      |
| Ausgang     | 16        | 16      | 16      | 16      | 16          | 16      | 16      | 16      | 16          | 16      | 16      | 16      |
| Software    | CTU-CC    | CTU-DN  | CTU-CC  | CTU-PB  | CTU-PB-EAS  | CTU-CC  | CTU-AS  | CTU-PB  | CTU-PB-EAS  | CTU-CC  | CTU-VN  | CTU-CP  |

Das System

- CTEU-Modulsystem für Ventilinsel
- Festo spezifische Schnittstelle (I-Port)
- CTEU-Modulsystem zur Erleichterung der Montage
- Anschluss für CP-Installationssystem von Festo
- Einzigartige Verbindung von Festo und anderen Geräten über Busknoten
- Einzigartige Verbindung von Festo und anderen Geräten über Busknoten
- Universale Anschlusskabel (Sub-D, M12, M17, M23, M25, M27, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100, M101, M102, M103, M104, M105, M106, M107, M108, M109, M110, M111, M112, M113, M114, M115, M116, M117, M118, M119, M120, M121, M122, M123, M124, M125, M126, M127, M128, M129, M130, M131, M132, M133, M134, M135, M136, M137, M138, M139, M140, M141, M142, M143, M144, M145, M146, M147, M148, M149, M150, M151, M152, M153, M154, M155, M156, M157, M158, M159, M160, M161, M162, M163, M164, M165, M166, M167, M168, M169, M170, M171, M172, M173, M174, M175, M176, M177, M178, M179, M180, M181, M182, M183, M184, M185, M186, M187, M188, M189, M190, M191, M192, M193, M194, M195, M196, M197, 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