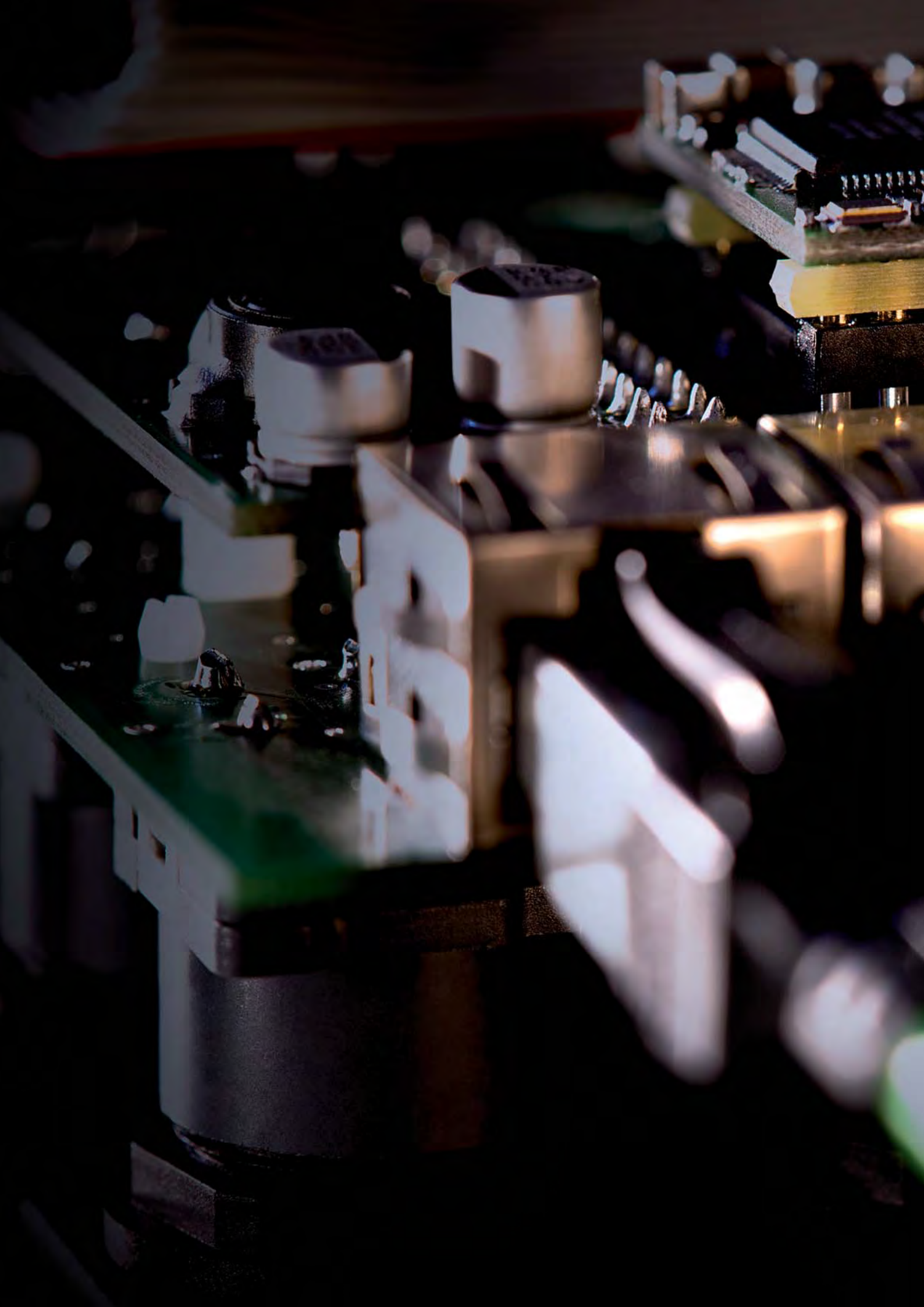
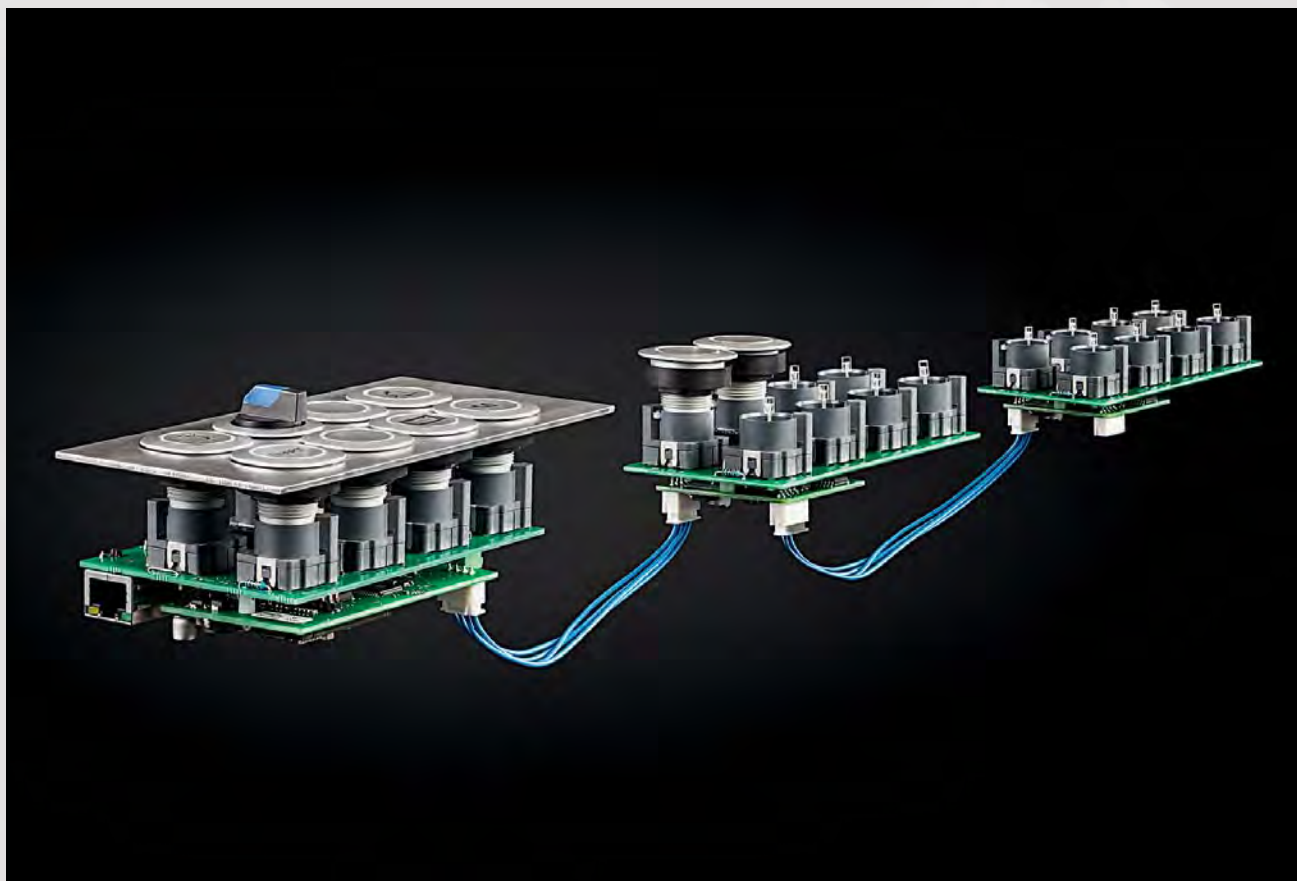




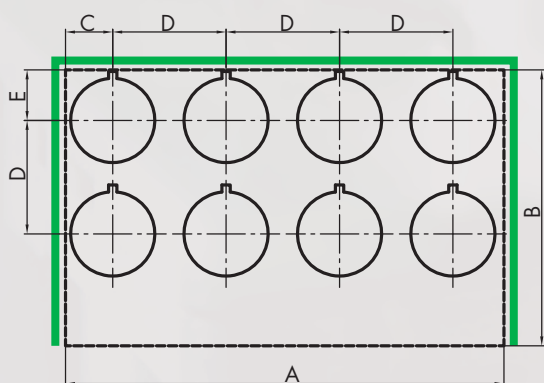


modular bus operating concept

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>> Profibus	page 578
>> EtherCAT	page 580
>> Profinet I/O	page 582
>> Ethernet IP	page 584
>> AS-Interface	page 586

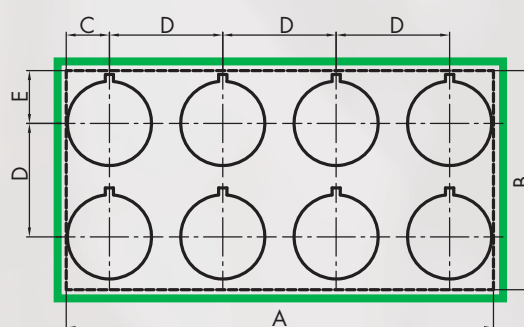


Dimensions / Spacings



Basic module

spacing	25x25	27x27	30x30
A	98.0 mm	105.0 mm	116.0 mm
B	65.0 mm	70.0 mm	73.0 mm
C	11.5 mm	10.8 mm	12.5 mm
D	25.0 mm	27.0 mm	30.0 mm
E	11.5 mm	13.4 mm	13.4 mm



Expansion module

spacing	25x25	27x27	30x30
A	97.0 mm	104.0 mm	113.0 mm
B	47.0 mm	53.0 mm	58.0 mm
C	11.5 mm	10.8 mm	11.0 mm
D	25.0 mm	27.0 mm	30.0 mm
E	11.5 mm	13.3 mm	14.0 mm

Further expansion modules can be arranged in the same spacing at three outer edges of the basic module.

Modular Bus Operating Concept

The basic idea was to develop an operating concept that makes us flexible enough to provide low-cost up to high-end solutions. The result is a future-proof and dynamic system to integrate contemporary design and state-of-the-art technology in modern machine concepts and panel layouts. The modular operating concept provides for project planning either standardised modules in a fixed grid spacing or the possibility to respond individually to customer-specific designs. The modular operating concept consists of two basic modules, the bus-specific basic module and the bus-independent expansion module. The basic module includes the typical bus connection as well as the bus node for communication with the corresponding bus system. The expansion module serves as a bus-independent I/O expansion in conjunction with the basic module, which enables us to integrate up to 128 command positions with 128 indicator lamps. The system power supply of the expansion modules is effected via the basic module, thus, reducing handling to a minimum. Each module is constructed with 8 inputs for contact blocks and 8 outputs for the LED indicator lamps. We distinguish in this modular operating concept two basic applications, control panel construction in which all command points are summarised on one area, and plant engineering & construction with several command points, which are distributed in the system.

Customised - fast - cost-effective

If your design plans cannot be implemented with the standardised modules, we can respond to your special design requirements anyway. For customised designs we resort to sub-modules of the modular operating concept while adapting the carrier card with the command points (PCB with individual contact blocks) according to your design proposal, consequently, the cost-optimised concept also taking effect here.

Technical Description - Control Panel Construction / Plant Engineering & Construction

Control Panel Construction

For the control panel construction, we consider the arrangement of the command points on one control unit, on which we can set up max. 64 command points with 64 indicator lamps. The 8 modules are then connected through with a ribbon cable. The individual modules can be arranged in a max. distance of 250mm to each other.

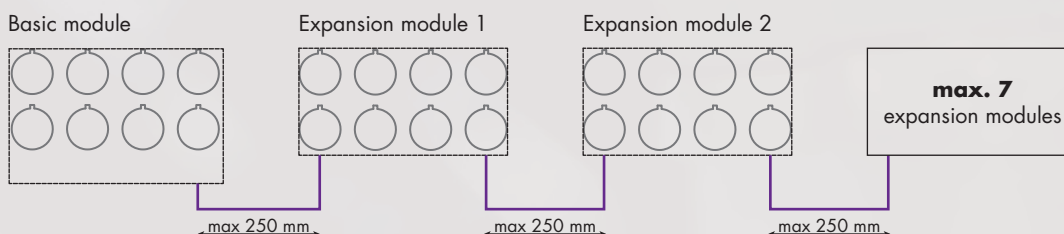
Plant Engineering & Construction

In the plant engineering & construction we consider the complete plant, which usually has a main control panel and several secondary control panels. In this case, the main control panel is equipped with the basic module and according to your operating concept, with additional expansion modules. The bus node with the typical bus connection is also arranged in the main control panel. It is then possible to equip more secondary control panels with expansion modules and to operate them via the main control panels using the bus data. In this application you can operate max. 128 command positions with 128 pilot lamps, and this at a cable length of 5m between the command positions and a total length of 30m within the plant.

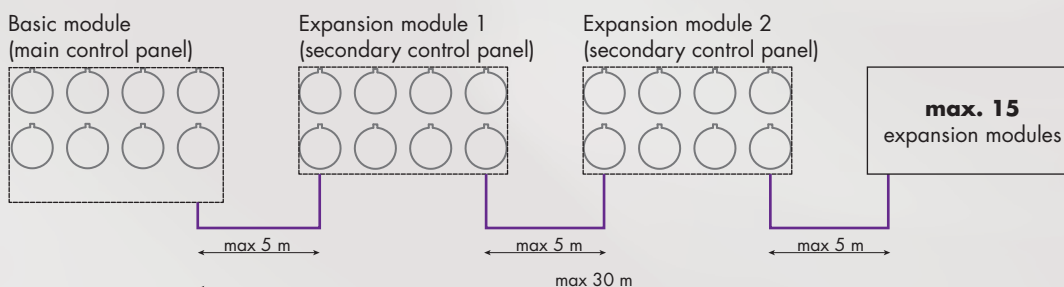
Mounting of Standard Modules

We offer the standardised modules in fixed grid spacings of 25 x 25mm, 27 x 27mm or 30 x 30mm. The modules are plugged on the actuators in the front panel and secured to the contact blocks by means of a locking bolt. Therefore, no additional spacers are needed in the front panel to mount the modules. The basic module is supplied with a supply voltage of +24V/DC and the bus signal. The expansion modules are connected to each other by means of a connecting cable, thus, there is no need for an additional wiring by what the wiring outlay reduces enormously. The individual modules can be attached in the same spacing.

Control Panel Construction



Plant Engineering & Construction





CANopen Basic Module



CANopen Bus System ISO11898

CiA Standard DS401 version 2.0

Addressing: DIP switch

Baud rate: 10kbit up to 1Mbit are automatically detected by the bus

I/Os: 8 I/Os, 8 inputs and 8 outputs, expandable to max. 64 I/Os for control panel construction and 128 I/Os for plant engineering and construction

Bus connection: 3-pole screw terminal

Bus termination: can be activated via sliding switch

Please download the EDS file and data sheet with pin configuration from www.schlegel.biz

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		CO_BTK25_01	CO_BTK27_01	CO_BTK30_01
8 contact blocks with snap action (CTLTP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately		CO_BTK25_02	CO_BTK27_02	CO_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		CO_BTK25_03	CO_BTK27_03	CO_BTK30_03
8 contact blocks with snap action (CTLTP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately		CO_BTK25_04	CO_BTK27_04	CO_BTK30_04

suitable actuators



Expansion Module



I/Os: 8 I/Os (8 inputs and 8 outputs)

Control panel construction: up to max. 64 I/Os using 7 additional modules and a cable length of 250 mm between the modules

Plant engineering and construction: up to max. 128 I/Os using 15 additional modules and a cable length of 5 m between the modules, total length 30 m

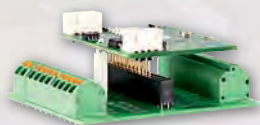
System connection: via the connecting cables VK_BT_K.... (please order separately, see next page)

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_01	E_BTK27_01	E_BTK30_01
8 contact blocks with snap action (CTLTP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately		E_BTK25_02	E_BTK27_02	E_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_03	E_BTK27_03	E_BTK30_03
8 contact blocks with snap action (CTLTP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately		E_BTK25_04	E_BTK27_04	E_BTK30_04

Illustration

Description



Expansion Module - Plant Engineering And Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal
I/Os: 8 I/Os, 8 inputs and 8 outputs up to max.
128 I/Os with additional 15 modules
System Connection: via connecting cable VK_BTK_002... max.
cable length 5m between the modules; total
length 30m

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0304



Expansion Module - Control Panel Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal from 0.25 mm² to
1.5 mm²
I/Os: 8 I/Os, 8 inputs on switching contacts (low
active) and 8 outputs on pilot lights 10mA
(low active)
System Connection: via connecting cable VK_BTK_001... max.
cable length 250 mm between the modules

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0102



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor
and half-wave rectifier, for 24 V AC/DC
(7/14 mA)
When connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature:
-25°C ... +80°C
ambient temperature:
-20°C ... +60°C
voltage tolerance:
+ 10 %
colour white

L5,5K24UW



Connecting Cable for control panel construction

Length: 50 mm
Length: 100 mm
Length: 220 mm

VK_BTK_001_50
VK_BTK_001_100
VK_BTK_001_220



Connecting Cable for plant engineering & construction

Length: 90 mm
Length: 140 mm
Length: 300 mm

VK_BTK_002_90
VK_BTK_002_140
VK_BTK_002_300

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Profibus Basic Module



Profibus specification: DPVO
 Data length: 96 byte I/O
 Module name: 8 byte input 8 byte output
 Addressing: DIP switch
 I/Os: 8 I/Os, 8 inputs and 8 outputs, expandable to max. 64 I/Os for control panel construction and 128 I/Os for plant engineering and construction
 Bus connection: 3-pole screw terminal
 Bus termination: can be activated via sliding switch

Please download the GSD file and data sheet with pin configuration from www.schlegel.biz

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		DP_BTK25_01	DP_BTK27_01	DP_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		DP_BTK25_02	DP_BTK27_02	DP_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		DP_BTK25_03	DP_BTK27_03	DP_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		DP_BTK25_04	DP_BTK27_04	DP_BTK30_04

suitable actuators



Expansion Module



I/Os: 8 I/Os (8 inputs and 8 outputs)
 Control panel construction: up to max. 64 I/Os using 7 additional modules and a cable length of 250 mm between the modules
 Plant engineering and construction: up to max. 128 I/Os using 15 additional modules and a cable length of 5 m between the modules, total length 30 m
 System connection: via the connecting cables VK_BT_K....
 (please order separately, see next page)

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_01	E_BTK27_01	E_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_02	E_BTK27_02	E_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_03	E_BTK27_03	E_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_04	E_BTK27_04	E_BTK30_04

Illustration

Description



Expansion Module - Plant Engineering And Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal
I/Os: 8 I/Os, 8 inputs and 8 outputs up to max. 128 I/Os with additional 15 modules
System Connection: via connecting cable VK_BTK_002... max. cable length 5m between the modules; total length 30m

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0304



Expansion Module - Control Panel Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal from 0.25 mm² to 1.5 mm²
I/Os: 8 I/Os, 8 inputs on switching contacts (low active) and 8 outputs on pilot lights 10mA (low active)
System Connection: via connecting cable VK_BTK_001... max. cable length 250 mm between the modules

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0102



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA)
When connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature: -25°C ... +80°C
ambient temperature: -20°C ... +60°C
voltage tolerance: + 10 %
colour white

L5,5K24UW



Connecting Cable for control panel construction

Length: 50 mm
Length: 100 mm
Length: 220 mm

VK_BTK_001_50
VK_BTK_001_100
VK_BTK_001_220



Connecting Cable for plant engineering & construction

Length: 90 mm
Length: 140 mm
Length: 300 mm

VK_BTK_002_90
VK_BTK_002_140
VK_BTK_002_300

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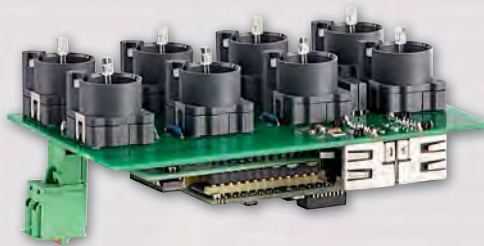
Pedal Switches

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EtherCAT Basic Module



Transmission: 100 Mbit/s
 I/O data length: 8 byte input 8 byte output
 I/Os: 8 byte input 8 byte output
 Addressing: DIP switch
 I/ O: 8 I/Os, 8 inputs and 8 outputs, expandable to max. 64 I/Os for control panel construction and 128 I/Os for plant engineering and construction
 Bus connection: 2 x RJ45 plug connectors 8P4C

Please download the XML file and data sheet with pin configuration from www.schlegel.biz

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		EC_BTK25_01	EC_BTK27_01	EC_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		EC_BTK25_02	EC_BTK27_02	EC_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		EC_BTK25_03	EC_BTK27_03	EC_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		EC_BTK25_04	EC_BTK27_04	EC_BTK30_04

suitable actuators



Expansion Module



I/Os: 8 I/Os (8 inputs and 8 outputs)
 Control panel construction: up to max. 64 I/Os using 7 additional modules and a cable length of 250 mm between the modules
 Plant engineering and construction: up to max. 128 I/Os using 15 additional modules and a cable length of 5 m between the modules, total length 30 m
 System connection: via the connecting cables VK_BT_K....
 (please order separately, see next page)

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_01	E_BTK27_01	E_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_02	E_BTK27_02	E_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_03	E_BTK27_03	E_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_04	E_BTK27_04	E_BTK30_04

Illustration

Description



Expansion Module - Plant Engineering And Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal
I/Os: 8 I/Os, 8 inputs and 8 outputs up to max. 128 I/Os with additional 15 modules
System Connection: via connecting cable VK_BTK_002... max. cable length 5m between the modules; total length 30m

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0304



Expansion Module - Control Panel Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal from 0.25 mm² to 1.5 mm²
I/Os: 8 I/Os, 8 inputs on switching contacts (low active) and 8 outputs on pilot lights 10mA (low active)
System Connection: via connecting cable VK_BTK_001... max. cable length 250 mm between the modules

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0102



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA)
When connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature: -25°C ... +80°C
ambient temperature: -20°C ... +60°C
voltage tolerance: + 10 %
colour white

L5,5K24UW



Connecting Cable for control panel construction

Length: 50 mm
Length: 100 mm
Length: 220 mm

VK_BTK_001_50
VK_BTK_001_100
VK_BTK_001_220



Connecting Cable for plant engineering & construction

Length: 90 mm
Length: 140 mm
Length: 300 mm

VK_BTK_002_90
VK_BTK_002_140
VK_BTK_002_300



Profinet I/O Basic Module



ProfiNET I/O specification: 2 ports with transformer
 Fieldbus Baud rates: up to 100 Mbaud
 IP address: assignment via bus
 Fieldbus functions: TCP/IP
 I/Os: 8 I/Os, 8 inputs and 8 outputs, expandable to max. 64 I/Os for control panel construction and 128 I/Os for plant engineering and construction.
 Bus connection: 2 x RJ45 plug connectors 8P4C

Please download the GSDML file and the data sheet with pin configuration from www.schlegel.biz.

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
	8 contact blocks with snap action (CTP) and 8 integrated white LEDs	PN_BTK25_01	PN_BTK27_01	PN_BTK30_01
	8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately	PN_BTK25_02	PN_BTK27_02	PN_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
	8 contact blocks with snap action (CTP) and 8 integrated white LEDs	PN_BTK25_03	PN_BTK27_03	PN_BTK30_03
	8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately	PN_BTK25_04	PN_BTK27_04	PN_BTK30_04

suitable actuators



Expansion Module



I/Os: 8 I/Os (8 inputs and 8 outputs)
 Control panel construction: up to max. 64 I/Os using 7 additional modules and a cable length of 250 mm between the modules
 Plant engineering and construction: up to max. 128 I/Os using 15 additional modules and a cable length of 5 m between the modules, total length 30 m
 System connection: via the connecting cables VK_BT_K.... (please order separately, see next page)

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
	8 contact blocks with snap action (CTP) and 8 integrated white LEDs	E_BTK25_01	E_BTK27_01	E_BTK30_01
	8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately	E_BTK25_02	E_BTK27_02	E_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
	8 contact blocks with snap action (CTP) and 8 integrated white LEDs	E_BTK25_03	E_BTK27_03	E_BTK30_03
	8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K LEDs to be ordered separately	E_BTK25_04	E_BTK27_04	E_BTK30_04

Illustration

Description



Expansion Module - Plant Engineering And Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal
I/Os: 8 I/Os, 8 inputs and 8 outputs up to max.
128 I/Os with additional 15 modules
System Connection: via connecting cable VK_BTK_002... max.
cable length 5m between the modules; total
length 30m

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0304



Expansion Module - Control Panel Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal from 0.25 mm² to
1.5 mm²
I/Os: 8 I/Os, 8 inputs on switching contacts (low
active) and 8 outputs on pilot lights 10mA
(low active)
System Connection: via connecting cable VK_BTK_001... max.
cable length 250 mm between the modules

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0102



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor
and half-wave rectifier, for 24 V AC/DC
(7/14 mA)
When connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature:
-25°C ... +80°C
ambient temperature:
-20°C ... +60°C
voltage tolerance:
+ 10 %
colour white

L5,5K24UW



Connecting Cable for control panel construction

Length: 50 mm
Length: 100 mm
Length: 220 mm

VK_BTK_001_50
VK_BTK_001_100
VK_BTK_001_220



Connecting Cable for plant engineering & construction

Length: 90 mm
Length: 140 mm
Length: 300 mm

VK_BTK_002_90
VK_BTK_002_140
VK_BTK_002_300

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EtherNet IP Basic Module



Transmission:
I/O data length:
I/Os:

100 Mbit/s
8 byte input 8 byte output
8 I/Os, 8 inputs and 8 outputs, expandable to max.
64 I/Os for control panel construction and 128 I/Os for
plant engineering and construction
2 x RJ45 plug connectors 8P4C

Bus connection:

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 incorporated white LEDs		EN_BTK25_01	EN_BTK27_01	EN_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		EN_BTK25_02	EN_BTK27_02	EN_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		EN_BTK25_03	EN_BTK27_03	EN_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		EN_BTK25_04	EN_BTK27_04	EN_BTK30_04

suitable actuators



Expansion Module



I/Os: 8 I/Os (8 inputs and 8 outputs)
Control panel construction: up to max. 64 I/Os using 7 additional modules and a cable length of 250 mm between the modules
Plant engineering and construction: up to max. 128 I/Os using 15 additional modules and a cable length of 5 m between the modules, total length 30 m
System connection: via the connecting cables VK_BT_K....
(please order separately, see next page)

Application Area	Control Panel Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_01	E_BTK27_01	E_BTK30_01
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_02	E_BTK27_02	E_BTK30_02

Application Area	Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action (CTP) and 8 integrated white LEDs		E_BTK25_03	E_BTK27_03	E_BTK30_03
8 contact blocks with snap action (CTLP) for 8 pluggable LEDs type L5,5K <i>LEDs to be ordered separately</i>		E_BTK25_04	E_BTK27_04	E_BTK30_04

Illustration

Description



Expansion Module - Plant Engineering And Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal
I/Os: 8 I/Os, 8 inputs and 8 outputs up to max.
128 I/Os with additional 15 modules
System Connection: via connecting cable VK_BTK_002... max.
cable length 5m between the modules; total
length 30m

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0304



Expansion Module - Control Panel Construction

8 external I/Os are led onto the bus via a terminal

Connection: spring-type terminal from 0.25 mm² to
1.5 mm²
I/Os: 8 I/Os, 8 inputs on switching contacts (low
active) and 8 outputs on pilot lights 10mA
(low active)
System Connection: via connecting cable VK_BTK_001... max.
cable length 250 mm between the modules

The data sheet with pin assignments can be downloaded at www.schlegel.biz

E_BTK8IO_0102



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor
and half-wave rectifier, for 24 V AC/DC
(7/14 mA)
When connecting to DC, the correct polarity must be observed:
+ ... X1/- ... X2
storage temperature:
-25°C ... +80°C
ambient temperature:
-20°C ... +60°C
voltage tolerance:
+ 10 %
colour white

L5,5K24UW



Connecting Cable for control panel construction

Length: 50 mm
Length: 100 mm
Length: 220 mm

VK_BTK_001_50
VK_BTK_001_100
VK_BTK_001_220



Connecting Cable for plant engineering & construction

Length: 90 mm
Length: 140 mm
Length: 300 mm

VK_BTK_002_90
VK_BTK_002_140
VK_BTK_002_300

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Enclosures

Terminal Blocks

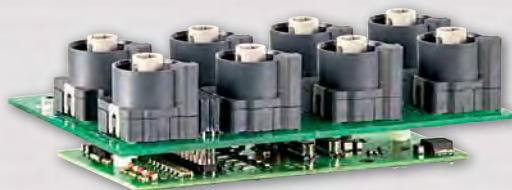
Pedal Switches

Limit Switches

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AS-Interface Module



I/Os: 8 I/Os, 8 inputs and 8 Ausgänge
 AS-Interface specification: V3.0
 AS-Interface profile: S-7.A.7.A
 Communication protocol: CTT3 for Master M4
 Diagnostics: Data communication error signalling unit S5
 Protocol or peripheral error signalling unit S6
 Bus connection: 2pole screw clamp
 Connecting cable: max. network length: 100m (without repeater)
 max. cycle time: ≤40ms

LED voltage supply via the bus

Application Area	Control Panel Construction / Plant Engineering and Construction	spacing 25 x 25 mm	spacing 27 x 27 mm	spacing 30 x 30 mm
8 contact blocks with snap action function (CTP) and 8 integrated white LEDs		ASI_BTK25_01	ASI_BTK27_01	ASI_BTK30_01
8 contact blocks with snap-action function (CTLP) to accept 8 pluggable LEDs L5,5K <i>Please order the LEDs separately</i>		ASI_BTK25_02	ASI_BTK27_02	ASI_BTK30_02

suitable actuators



Illustration

Description



Ultra-bright LED, T5,5K socket, 24V

with integrated series resistor
and half-wave rectifier, for 24 V AC/DC
(7/14 mA)

When connecting to DC, the correct polarity must be observed:

+ ... X1/- ... X2

storage temperature:

-25°C ... +80°C

ambient temperature:

-20°C ... +60°C

voltage tolerance:

+ 10 %

colour

white

L5,5K24UW

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