



Touch Displays, Line COP 400

High-performance operator
panels for integration into
TCP/IP networks


Intelligence that moves.

 **schleicher**
control systems

Touch Displays, Line COP 400

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1125	t °C 1332
702	Rpm 585

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Content

The Touch Display Line COP 400.....	2
Description	
Display Sizes	
Characteristics.....	3
Model Overview	
General Technical Data	
Touch Displays	
COP 415 (15").....	6
COP 413 (13.3").....	7
COP 410 (10.4").....	8
COP 407 (7").....	9
COP 406 (5,7").....	10
COP 404 (4.3").....	11

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Touch Displays Line COP 400



The touch panels of the COP 400 line combine functionality and performance with an outstanding design. Equipped with the operating system Windows CE® and a powerful micro browser technology they are the ideal choice for web server based visualisations and operating interfaces.

The devices of the COP 400 family feature a bright TFT display with LED backlight and full vector graphic capabilities. They are fully compatible to the current Schleicher controls with integrated web server. The connectivity includes Ethernet and USB as well as serial interfaces.

The option for integration into TCP/IP network structures opens up a wide range of flexibility and ease of use. An extremely easy commissioning and a very powerful data management are just two of the remarkable advantages.

The devices are fully compatible with the IniNet »Spider-Control™ Editor«, an easy-to-use and versatile web-server based visualization tool. The HMI functions are stored directly on the control system. In case of required changes or expansions just the project on the control unit has to be updated correspondingly. This means a considerable reduction in engineering and maintenance work.

Overview

COP 415	Order No.:	R6.284.0160.0
Active display area	15" diagonal	
Front Panel (BxH)	392 x 307 mm	
Cutout (AxB)	381 x 296 mm	
Depth	46 mm	
Weight	3.4 kg	

COP 413	Order No.:	R6.284.0150.0
Active display area	13.3" diagonal	
Front Panel (BxH)	337 x 267 mm	
Cutout (AxB)	326 x 256 mm	
Depth	42 mm	
Weight	2.5 kg	

COP 410	Order No.:	R6.284.0140.0
Active display area	10.4" diagonal	
Front Panel (BxH)	287 x 232 mm	
Cutout (AxB)	276 x 221 mm	
Depth	42 mm	
Weight	2.1 kg	

COP 407	Order No.:	R6.284.0130.0
Active display area	7" diagonal	
Front Panel (BxH)	187 x 147 mm	
Cutout (AxB)	176 x 136 mm	
Depth	45 mm	
Weight	1.0 kg	

COP 406	Order No.:	R6.284.0120.0
Active display area	5.7" diagonal	
Front Panel (BxH)	187 x 147 mm	
Cutout (AxB)	176 x 136 mm	
Depth	45 mm	
Weight	1.0 kg	

COP 404	Order No.:	R6.284.0110.0
Active display area	4.3" diagonal	
Front Panel (BxH)	149 x 109 mm	
Cutout (AxB)	136 x 96 mm	
Depth	56 mm	
Weight	0.6 kg	

General Technical Data

Display	
Type	TFT
Colors	64 K
Backlight	LED
Dimming	Yes

Memory	
User memory	128 MB internal Flash

Front	
Touchscreen	Analogue resistive
User LED's	1
System LED's	4

Interfaces	
Ethernet	10/100 Mbit
USB	Host, Version 2.0
Seriell	RS-232, RS-485, RS-422, configurable (Software)

Functionality	
Offline Simulation	Yes
Online Simulation	Yes
Vector graphics	Yes
Object dynamics (show / hide)	Yes
TrueType Fonts	Yes
Dual driver capability	Yes
Video input	No
Data acquisition and trends	Yes
Multilanguage	Yes
Recipe memory	Yes
UniNet network	Client/ Server
Alarms	1024
Event list	1024
Password	Yes
Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, feedback for touch screen

Ratings	
Voltage	24 V DC (18 to 30 VDC)
Current consumption	0,4 (COP 404) – 1,5 A (COP 415) at 24 VDC (max.)

Environmental Conditions	
Operating temperature	0 to 50 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non condensing
Protection class	IP65 (front panel) IP20 (rear)

Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments

Programming	
»SpiderControl™ Editor« (IniNet)	

Touch Display COP 415



Technical Data

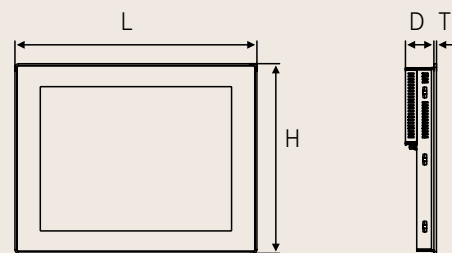
- 15" TFT
- 1024 x 768 Pixel (XGA)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 46 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 415	
Order No.:	R6.284.0160.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide

Display	
Active display area	15" diagonal
Resolution	1024 x 768 (XGA)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	250 Cd/m ² typ.
Dimming	Yes

Dimensions COP 415

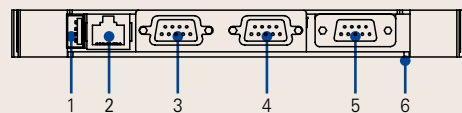


Faceplate: L x H 392 x 307 mm

Cutout: A x B 381 x 296 mm

Depth: D + T 46 + 4 mm

Connections

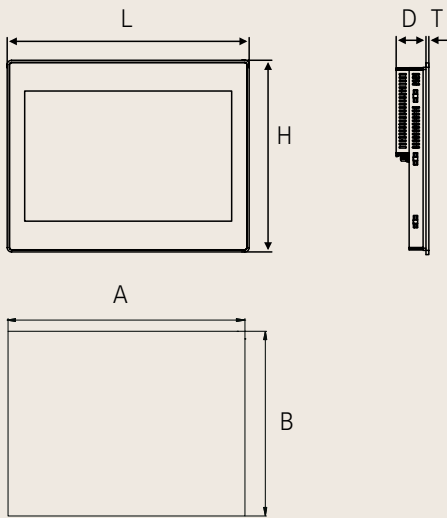


- | | |
|---|--------------|
| 1 | USB (Host) |
| 2 | Ethernet |
| 3 | PC/ Printer |
| 4 | Steuerung |
| 5 | Aux |
| 6 | Power Supply |

Touch Display COP 413

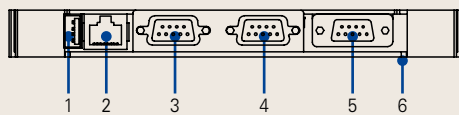
Display	
Active display area	13.3" diagonal
Resolution	1280 x 800 (WXGA)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	250 Cd/m ² typ.
Dimming	Yes

Dimensions COP 413



Faceplate:	L x H	337 x 267 mm
Cutout:	A x B	326 x 256 mm
Depth:	D + T	42 + 4 mm

Connections



1	USB (Host)
2	Ethernet
3	PC/ Printer
4	Steuerung
5	Aux
6	Power Supply



Technical Data

- 13.3" TFT
- 1280 x 800 Pixel (WXGA)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 42 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 413	
Order No.:	R6.284.0150.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide

Touch Display COP 410



Technical Data

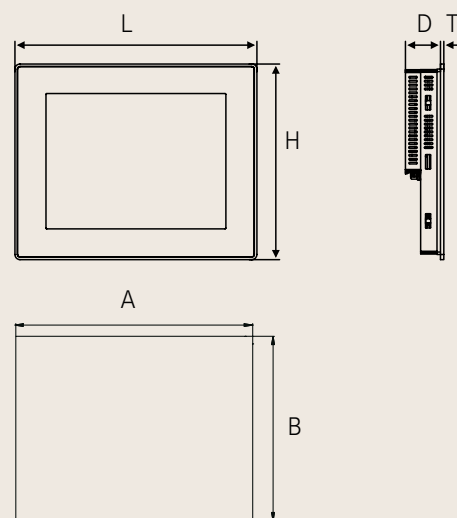
- 10.4" TFT
- 640 x 480 Pixel (VGA)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 42 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 410	
Order No.:	R6.284.0140.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide

Display	
Active display area	10.4" diagonal
Resolution	640 x 480, (VGA)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	250 Cd/m ² typ.
Dimming	Yes

Dimensions COP 410

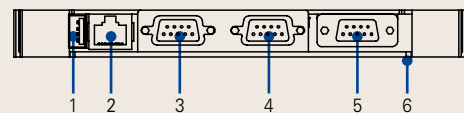


Faceplate: L x H 287 x 232 mm

Cutout: A x B 276 x 221 mm

Depth: D + T 42 + 4 mm

Connections

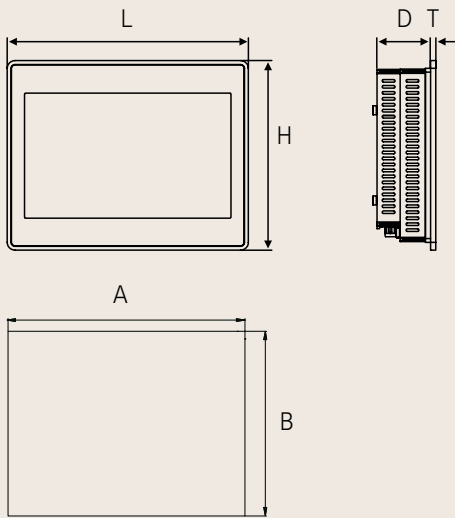


- | | |
|---|--------------|
| 1 | USB (Host) |
| 2 | Ethernet |
| 3 | PC/ Printer |
| 4 | Steuerung |
| 5 | Aux |
| 6 | Power Supply |

Touch Display COP 407

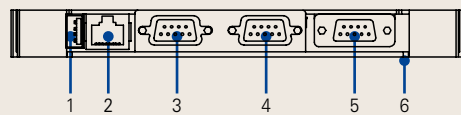
Display	
Active display area	7" diagonal
Resolution	800 x 480 (WVGA)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	160 Cd/m ² typ.
Dimming	Yes

Dimensions COP 407



Faceplate:	L x H	187 x 147 mm
Cutout:	A x B	176 x 136 mm
Depth:	D + T	45 + 4 mm

Connections



1	USB (Host)
2	Ethernet
3	PC/ Printer
4	Steuerung
5	Aux
6	Power Supply



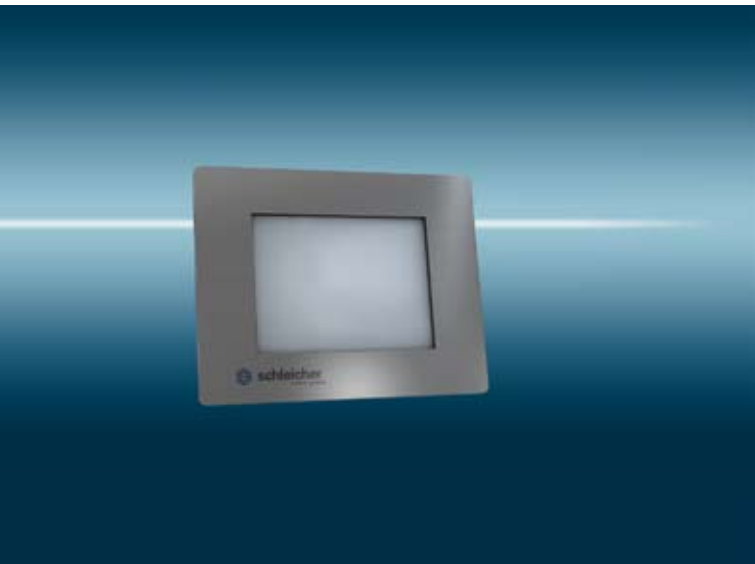
Technical Data

- 7" TFT
- 800 x 480 Pixel (WVGA)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 45 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 407	
Order No.:	R6.284.0130.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide

Touch Display COP 406



Technical Data

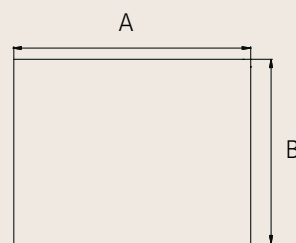
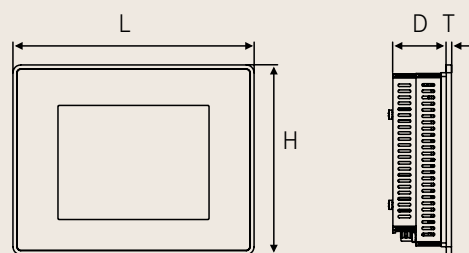
- 5.7" TFT
- 320 x 240 Pixel (QVGA)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 45 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 406	
Order No.:	R6.284.0120.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide

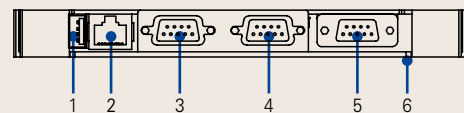
Display	
Active display area	5.7" diagonal
Resolution	320 x 240 (QVGA)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	130 Cd/m ² typ.
Dimming	Yes

Dimensions COP 406



Faceplate:	L x H	187 x 147 mm
Cutout:	A x B	176 x 136 mm
Depth:	D + T	45 + 4 mm

Connections

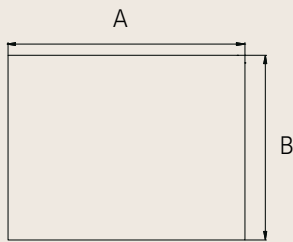
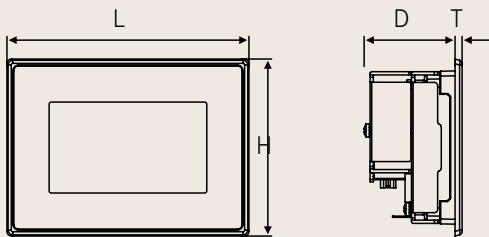


1	USB (Host)
2	Ethernet
3	PC/ Printer
4	Steuerung
5	Aux
6	Power Supply

Touch Display COP 404

Display	
Active display area	4.3" diagonal
Resolution	480 x 272 (wide)
Type	TFT
Colors	64 K
Backlight	LED
Brightness	120 Cd/m ² typ.
Dimming	Yes

Dimensions COP 404

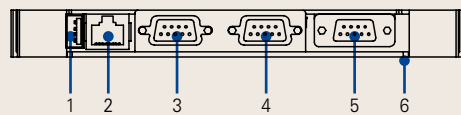


Subject to technical changes

Faceplate:	L x H	149 x 109 mm
Cutout:	A x B	136 x 96 mm
Depth:	D + T	56 + 4 mm

Connections

Subject to technical changes



1	USB (Host)
2	Ethernet
3	PC/ Drucker
4	Steuerung
5	Aux
6	Spannungsversorgung



Technical Data

- 4.3" TFT
- 480 x 272 Pixel (Wide-Screen)
- 64 K colors
- LED backlight
- Resistive touchscreen
- 128 MB internal Flash
- Ethernet, serial interface, USB interface (Host)
- Slim and smart design
- Mounting depth just 56 mm
- Compatible to current Schleicher controls
- Programmable with Software IniNet Editor

Ordering Information

COP 404	
Order No.:	R6.284.0110.0
Scope of delivery:	Mounting accessories Plug for power supply Installation guide



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