DSSA
DIGITAL SWITCHING SYSTEMS AUSTRALIA

T5
TOUCH SCREEN

DATA SHEET

Part No. DSS-T5

The T5 has a slim-line profile housing a hi-resolution 5-inch projected capacitive customisable colour screen delivering modern tablet like aesthetics.

The WVGA (800x480) PCAP LCD colour screen is sealed to meet IP67 standards enabling it to withstand the harshest conditions. With dual CAN, Ethernet and Video supported screen the T5 is suited to a wide range of applications. External buttons can be added via compatible CAN keypad.

Custom software applications are rapidly created using the software development kit (SDK), and the screen can be integrated into a control and monitoring system using its data logging capacity and alarm functionality.

Our screens are manufactured to be sunlight readable enabling operators to have a clear view of relevant information at any time, whatever the environment.

The T5 meets the need for tough instrumentation while offering high performance and design specifications.
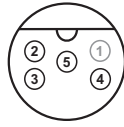
E5899

CANbus - RS422/485 - USB 2.0
Available in 7"

CONNECTIONS

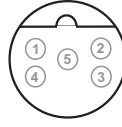## CAN 1

1	No Connection
2	Positive DC Supply
3	Ground
4	CAN Data H
5	CAN Data L

CAN 2

1	No Connection
2	Isolated Volts Positive
3	Isolated Volts Negative
4	Isolated CAN Data H
5	Isolated CAN Data L

VIDEO-UNUSED

1	Unused
2	Unused
3	Unused
4	Unused
5	Unused

ETHERNET

1	White / Orange +TK
2	White / Green +RX
3	Orange - TX
4	Green

EXTERNAL USB IO
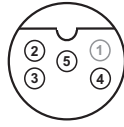
1	USB Volts Positive
2	USB Data Negative (DM)
3	USB DATA Positive (DP)
4	No Connection
5	USB Volts Negative
6	RS422/485 Tx+*
7	RS422/485 Tx-*
8	RS422/485 Rx+*
9	RS422/485 Rx-*
10	Digital Input
11	Analogue Input
12	Relay Output

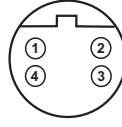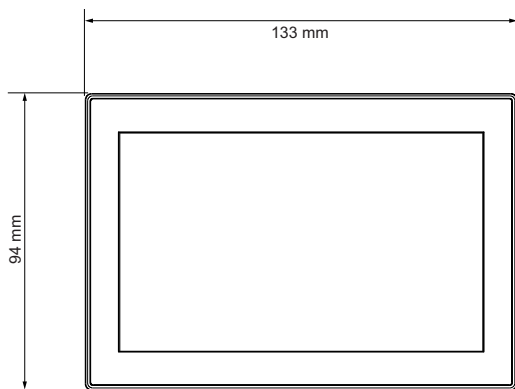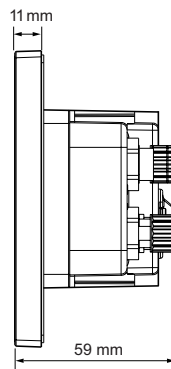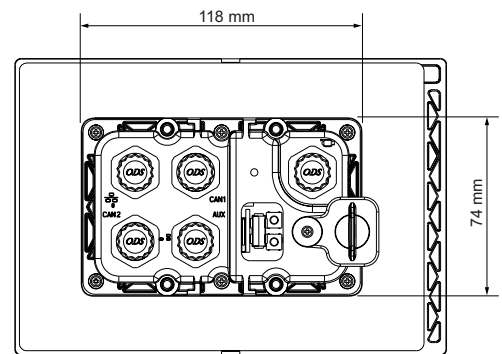*Rs422 and RS485 options configured as a build option

DIMENSIONS

FRONT VIEW
133 mm
94 mm

SIDE VIEW
11 mm
59 mm

REAR VIEW
118 mm
74 mm

SPECIFICATIONS

HARDWARE

CPU	i.MX6 Solo X
FLASH Memory	512MB SLC NAND
SDRAM	256MB DDR3

ELECTRICAL

Display	PCAP LCD 5.0"
Resolution	800 (H) x 480 (V) WVGA
Active Area	108.0mm (H) x 64.8mm (V)
Viewing Angle	70 Degrees Left/Right/Down/Up
Contrast Ratio	700:1
Brightness	800 NIT (cd/m^2) Full Sunlight Readable
Power Requirements	8V to 32V DC
Sounder	Internal Buzzer
Connection	5 x M12 Connectors A - Primary CANbus / Power M12 Male 5 Pin A Coded B - Isolated CANbus M12 Male 5 Pin A Coded C - Ethernet M12 Female 4 Pin D Coded D - Misc M12 Female 12 Pin A Coded E - Not in Use

INPUT/OUTPUT/COMMUNICATIONS

Analogue Input	Software selectable as 0 - 2.5 VDC, 0 - 10 VDC or 0 - 10 VDC or 0 - 1000 OHMS
Switch Inputs	Switch Contact to Ground or Open collector type sensor - Max. frequency = 50 Hz
Relay Output	Open collector suitable 0.5A continuous load.
Communications	1 x RS422/485, 2 x CAN Bus 2.0B (1 Isolated) 1 X USB 2.0, 1 x Ethernet

MECHANICAL

Case Material	ABS
Case Colour	Anthracite Grey

ENVIRONMENTAL

Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +80°C
Ingress Protection Rating	Ip67

OTHER FEATURES

Size (mm)	133 x 94 x 11 Forward & 48 Rear
Weight (g)	