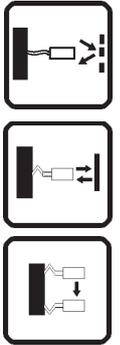


MICROPROCESSOR SENSOR FOR DIN RAIL



- 10 bit resolution models with 500 μ s response for high operating distances
- 12 bit resolution models with 50 μ s response and 4 digit display for high speed
- EASYtouch™ push button setting with remote control, keylock and output delay
- Ultra-thin housing with CLEARLOCK™ patented fibre fixing system

the 1st in Europe

S7 SERIES

The **S7** series is the first fibre optic amplifier to be manufactured in Europe that is equipped with a full 4 digit display, confirming Datasensor's technological leadership. With its slim 10mm body width, the **S7** represents the ideal solution for all applications requiring high accuracy sensing combined with very compact dimensions.

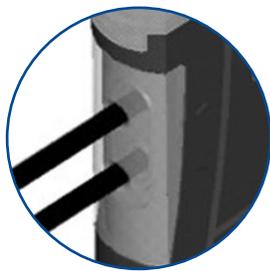
The high resolution 12 bit amplifier has a response time of 50 μ s for a switching frequency of 10 KHz. The 12 bit, 4096 resolution steps make the **S7** series perfect for ultra high precision detection of small objects and low colour contrasts.

This is made easier by the integral 4 digit display, which clearly indicates the received signal, selected time delay and the adjustable set point values. Moreover, the white light LED emission possibility enhances the contrast detection.

Setting the **S7** is easy and rapid, thanks to the patent-covered EASYtouch™ adjustment system, that offers remote setting, keylock and activation of the output OFF delay function.

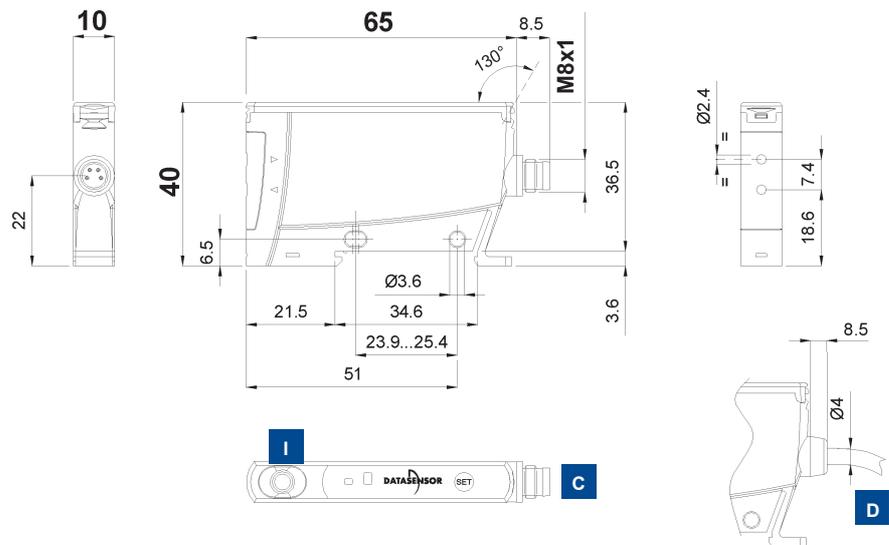
S7 FIBRE-OPTIC SENSORS

The ultra-thin housing is specifically designed for side-by-side mounting on DIN rail where space is limited or mounting through two M3 clearance holes onto the side of a machine. The **CLEARLOCK™** fibre-optic fixing system assists reliable insertion of standard and high performance 2.2mm Ø fibre-optics. The **EASYtouch™** one touch setting procedure automatically selects the best detection conditions. For critical applications a two touch setting is provided for fine tuning. S7 benefits from remote teach, keypad lock and delay off timing functions. For further information on our extensive range of fibre-optic accessories please see our OF datasheet.

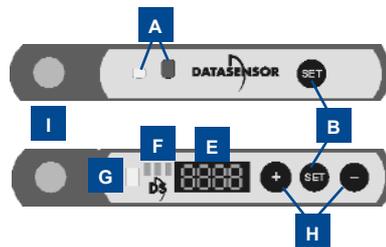


CLEARLOCK™

DIMENSIONS



INDICATORS AND SETTINGS



Teach-in button for setting.
EASYtouch™ provides two setting modes: standard or fine.
Please refer to instructions manual for operating details

- A** OUTPUT status and READY/ERROR LEDs
- B** Teach-in push-button
- C** M8 connector output
- D** Cable output
- E** 4 digit display
- F** STATUS signalling LEDs
- G** OUTPUT status LED
- H** '+' e '-' buttons (ADJUST/MENU)
- I** Fibre lock/unlock button

ACCESSORIES

For dedicated accessories refer to the **ACCESSORIES** section of this catalogue

Refer also to **Fibre-Optics (A.02)**, **Connectors (A.03)** and **Fixing brackets (A.04)** of the **General Catalogue**

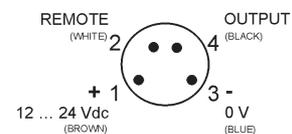
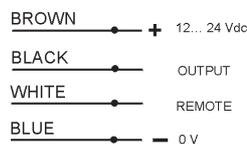
CONNECTIONS



S7-1/2/3



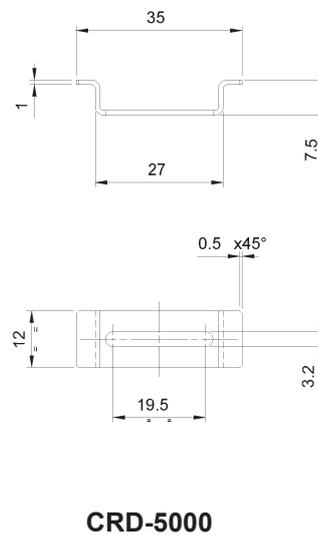
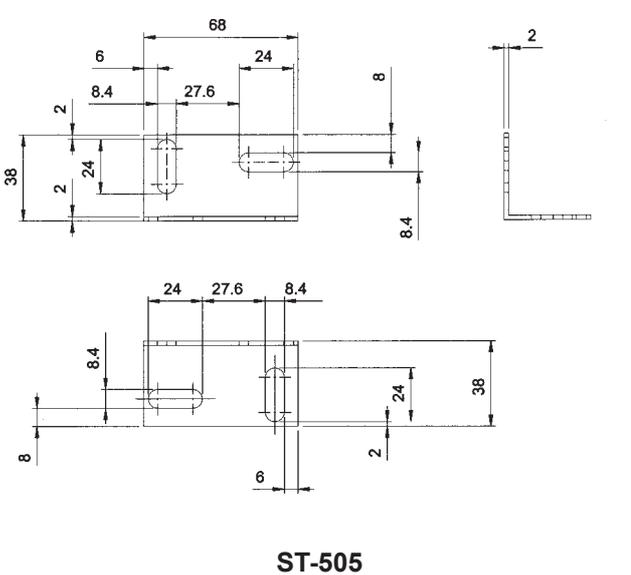
S7-4/5/6



SELECTION AND ORDER INFORMATION

MODEL	CONNECTION	OUTPUT	DISPLAY	EMISSION	CODE N°
S7-1-E-N	4-pole cable	NPN	yes	white LED	950551080
S7-1-E-P	4-pole cable	PNP	yes	white LED	950551090
S7-2-E-N	4-pole cable	NPN	yes	red LED	950551000
S7-2-E-P	4-pole cable	PNP	yes	red LED	950551010
S7-3-E-N	4-pole cable	NPN	no	red LED	950551040
S7-3-E-P	4-pole cable	PNP	no	red LED	950551050
S7-4-E-N	M8 4-pole connector	NPN	yes	white LED	950551100
S7-4-E-P	M8 4-pole connector	PNP	yes	white LED	950551110
S7-5-E-N	M8 4-pole connector	NPN	yes	red LED	950551020
S7-5-E-P	M8 4-pole connector	PNP	yes	red LED	950551030
S7-6-E-N	M8 4-pole connector	NPN	no	red LED	950551060
S7-6-E-P	M8 4-pole connector	PNP	no	red LED	950551070

ACCESSORIES - DIMENSIONS



ACCESSORIES - SELECTION AND ORDER INFORMATION

MODEL	DESCRIPTION	CODE N°
ST-505	1 pc 'L'- shaped fixing support	95ACC1300
CRD-5000	1 pc fixing support on DIN rail	95ACC1290

Refer also to *Accessories for Sensors* of the *General Catalogue*



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HEADQUARTERS

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