

SIMATIC ET 200PRO IM 154-8 PN/DP CPU

# Product Data Sheet

**6ES7154-8AB01-0AB0**

Distributed PLC interface controller

|               |                                  |                                |                        |
|---------------|----------------------------------|--------------------------------|------------------------|
| WORK MEMORY   | MAXIMUM LOAD MEMORY              | SUPPLY VOLTAGE                 | TYPICAL CURRENT IN RUN |
| <b>384 KB</b> | <b>8 MB on Micro Memory Card</b> | <b>24 V DC, 20.4 to 28.8 V</b> | <b>350 mA</b>          |

Siemens 6ES7154-8AB01-0AB0 is the IM 154-8 PN/DP CPU for the SIMATIC ET 200pro distributed automation family. It provides local programmable control and communication for compatible decentralized I/O stations.

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## VERIFIED TECHNICAL DATA

|                         |                           |
|-------------------------|---------------------------|
| Work memory             | 384 KB                    |
| Maximum load memory     | 8 MB on Micro Memory Card |
| Supply voltage          | 24 V DC, 20.4 to 28.8 V   |
| Typical current in RUN  | 350 mA                    |
| Typical current in STOP | 250 mA                    |
| Inrush current          | 2 A                       |
| Supply I <sup>2</sup> t | 0.25 A <sup>2</sup> s     |
| Power loss              | 8.5 W                     |
| Bit instruction time    | 0.05 micros               |
| Word instruction time   | 0.09 micros               |

## ADDITIONAL PRODUCT DATA

|                                 |                                  |
|---------------------------------|----------------------------------|
| Fixed-point instruction time    | 0.12 micros                      |
| Floating-point instruction time | 0.45 micros                      |
| Communication networks          | PROFINET and PROFIBUS DP         |
| PROFINET port allocation        | 1 integrated port, 2 ports on CM |
| Protection degree               | IP65/IP67                        |

## DOCUMENTED USE SETTINGS

Vehicle Manufacturing and Automotive Parts Production: Automotive Body Production.

Food Processing and Industrial Beverage Production: Food Processing and Packaging.

Industrial Packaging Production and Material Converting: Paper Packaging Production.

## SYSTEM COMPATIBILITY

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## PRODUCT EVIDENCE

Siemens SIMATIC ET 200pro IM 154-8 PN/DP CPU technical documentation

AMIKON PRODUCT SUPPORT

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