

## VERIFIED PRODUCT REFERENCE

# Siemens 6ES5458-4UA12 Relay Digital Output Module

Siemens 6ES5458-4UA12 is a SIMATIC S5 458 relay digital output module with 16 outputs and 24 V DC relay supply field service. It is documented for legacy S5-135U/155U installations.

|                         |                                                    |                              |
|-------------------------|----------------------------------------------------|------------------------------|
| Manufacturer<br>Siemens | Product family<br>SIMATIC S5-135U/155U Digital I/O | Exact model<br>6ES5458-4UA12 |
|-------------------------|----------------------------------------------------|------------------------------|

## Officially documented specifications

| Module designation                 | 458                                        |
|------------------------------------|--------------------------------------------|
| I/O function                       | relay digital output                       |
| Channel capacity                   | 16 outputs                                 |
| Field electrical class             | 24 V DC relay supply                       |
| Isolation                          | 16 isolated outputs                        |
| System bus current                 | 5 V, 80 mA typical                         |
| Power dissipation                  | 5.2 W                                      |
| Dimensions (W x H x D)             | 20 x 255 x 195 mm                          |
| Weight                             | Approx. 0.45 kg                            |
| Permissible unshielded line        | As documented in the Siemens system manual |
| Enable circuit                     | Front enable input/jumper arrangement      |
| Host systems                       | SIMATIC S5-135U / S5-155U                  |
| Contact capacity with RC module    | 60 VDC / 48 VAC, 0.5 A                     |
| Contact capacity without RC module | 60 VDC / 48 VAC, 70 mA                     |
| Relay life                         | 10 <sup>8</sup> cycles mechanical          |
| Individual fusing                  | 16 x 1 A slow                              |

## INSTALLATION AND PROCUREMENT REFERENCE

# 6ES5458-4UA12 application guidance

6ES5458-4UA12 is the Siemens SIMATIC S5 458 relay digital output module documented with 16 outputs. The field-side electrical class is 24 V DC relay supply, and the official manual identifies 16 isolated outputs isolation behavior.

The board transfers discrete states between the S5 process image and connected machinery wiring. Its channel grouping, enable circuit and diagnostic indications are integral to the installed cabinet design.

Retrofit work must preserve front-connector numbering, commons, supply polarity, enable jumper, addressing and external suppression. Similar 6ES5 modules can differ in voltage, width, current or protection and require a line-by-line comparison.

## High-risk technical note

6ES5458-4UA12 requires the documented 24 V DC relay supply field arrangement; verify the enable circuit, commons and connector numbering before moving any conductor.

## Manufacturer source record

- Siemens SIMATIC S5 System Manual, module sheet for 6ES5458-4UA12
- User-supplied Siemens official extract verified against the model text



Request a quotation for 6ES5458-4UA12

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Include the complete nameplate, quantity, destination, and required delivery date.

Prepared from the manufacturer references listed above. Verify the latest revision and the complete installed configuration before replacement or commissioning.