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<https://abbdrives.nt-rt.ru/> || [aei@nt-rt.ru](mailto:aei@nt-rt.ru)

# ПРОГРАММИРУЕМЫЕ ЛОГИЧЕСКИЕ КОНТРОЛЛЕРЫ

## Техническое описание на модули ВХОДЫ-ВЫХОДЫ DX



PRODUCT-DETAILS

# DX581-S

Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)



## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX581-S   |
| Product ID            | 1SAP284100R0001   |
| ABB Type Designation  | DX581-S   |
| EAN                   | 4016779681803   |
| Catalog Description   | Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)                |
| Long Description      | DX581-S: S500-S Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs. 1-wire. |

## Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | Germany (DE)<br>Finland (FI)   |
| CN8                     | 85389091   |
| Invoice Description     | Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S) |
| Made To Order           | No   |
| Minimum Order Quantity  | 1 piece  |
| Order Multiple          | 1 piece  |
| Selling Unit of Measure | piece  |

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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.13 kg  |
| Product Net Depth / Length     | 62 mm    |
| Product Net Height             | 76 mm    |
| Product Net Width              | 67.5 mm  |
| Gross Weight                   | 0.159 kg |
| Package Level 1 Depth / Length | 84 mm    |
| Package Level 1 Height         | 72 mm    |
| Package Level 1 Width          | 71 mm    |
| Package Level 1 Units          | 1 carton |

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## Technical

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|                                     |   |
|-------------------------------------|---|
| Function                            | 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs |
| Number of Digital Inputs            | 8   |
| Number of Digital Outputs           | 8   |
| Number of Digital Configurable I/Os | 8   |
| Input Voltage Type                  | DC  |
| Input Current                       | 7 mA  |
| Maximum Input Voltage               | 0 ... 30 V  |
| Delay Time (T)                      | 1 ... 500 ms  |
| Output                              | Transistor  |
| Output Voltage Type                 | DC  |
| Output Current                      | 0.5 A   |
| Output Voltage Maximum              | 20.4 ... 28.8 V   |
| Degree of Protection                | IP20  |
| Safety Integrity Level (SIL)        | 2   |
| Supply Voltage                      | 20.4 ... 28.8 V DC  |

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## Additional Information

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|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX581                       |
| Product Name      | Distributed Automation I/Os |

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## Classifications

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|                    |  |
|--------------------|--|
| eClass             | 27-24-22-02                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151802                               |

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## Environmental

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|                |  |
|----------------|--|
| SCIP           | 5916c970-096a-4753-a46e-f309240b87af Germany (DE)          |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Where Used (as part of "kit")

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| Identifier      | Description  | Type |
|-----------------|--|------|
| 1SAP182900R0001 | Training case. With: PM573-ETH, CM579-PNIO, CI502-PNIO, SM560-S, AI581-S, DI581-S, DX581-S, Case, Power adapter (TA514-SAFETY) | Kit  |

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PRODUCT-DETAILS

# DX581-S

Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)



## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX581-S   |
| Product ID            | 1SAP284100R0001   |
| ABB Type Designation  | DX581-S   |
| EAN                   | 4016779681803   |
| Catalog Description   | Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S)                |
| Long Description      | DX581-S: S500-S Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs. 1-wire. |

## Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | Germany (DE)<br>Finland (FI)   |
| CN8                     | 85389091   |
| Invoice Description     | Digital input/output module. 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs (DX581-S) |
| Made To Order           | No   |
| Minimum Order Quantity  | 1 piece  |
| Order Multiple          | 1 piece  |
| Selling Unit of Measure | piece  |

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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.13 kg  |
| Product Net Depth / Length     | 62 mm    |
| Product Net Height             | 76 mm    |
| Product Net Width              | 67.5 mm  |
| Gross Weight                   | 0.159 kg |
| Package Level 1 Depth / Length | 84 mm    |
| Package Level 1 Height         | 72 mm    |
| Package Level 1 Width          | 71 mm    |
| Package Level 1 Units          | 1 carton |

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## Technical

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|                                     |   |
|-------------------------------------|---|
| Function                            | 8 SDI SIL2 / 4SDI SIL3, 24VDC. 8 SDO SIL2/3 24VDC 0.5A. 4 pulse outputs |
| Number of Digital Inputs            | 8   |
| Number of Digital Outputs           | 8   |
| Number of Digital Configurable I/Os | 8   |
| Input Voltage Type                  | DC  |
| Input Current                       | 7 mA  |
| Maximum Input Voltage               | 0 ... 30 V  |
| Delay Time (T)                      | 1 ... 500 ms  |
| Output                              | Transistor  |
| Output Voltage Type                 | DC  |
| Output Current                      | 0.5 A   |
| Output Voltage Maximum              | 20.4 ... 28.8 V   |
| Degree of Protection                | IP20  |
| Safety Integrity Level (SIL)        | 2   |
| Supply Voltage                      | 20.4 ... 28.8 V DC  |

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## Additional Information

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|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX581                       |
| Product Name      | Distributed Automation I/Os |

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## Classifications

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|                    |  |
|--------------------|--|
| eClass             | 27-24-22-02                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151802                               |

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## Environmental

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|                |  |
|----------------|--|
| SCIP           | 5916c970-096a-4753-a46e-f309240b87af Germany (DE)          |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Where Used (as part of "kit")

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| Identifier      | Description  | Type |
|-----------------|--|------|
| 1SAP182900R0001 | Training case. With: PM573-ETH, CM579-PNIO, CI502-PNIO, SM560-S, AI581-S, DI581-S, DX581-S, Case, Power adapter (TA514-SAFETY) | Kit  |

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PRODUCT-DETAILS

# DX571

Digital input/output module. 8 DI sink/source:  
24VDC. 8 DO relay: 120..240VAC 2A (DX571)



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## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX571   |
| Product ID            | 1TNE968902R2302   |
| ABB Type Designation  | DX571   |
| EAN                   | 6943747170282   |
| Catalog Description   | Digital input/output module. 8 DI sink/source: 24VDC. 8 DO relay: 120..240VAC 2A (DX571)                  |
| Long Description      | DX571: S500-eCo Digital input/output module. 8 DI sink/source: 24VDC. 8 DO relay: 120..240VAC 2A. 1-wire. |

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## Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | China (CN)<br>Germany (DE)<br>Finland (FI)   |
| CN8                     | 85371091   |
| Invoice Description     | Digital input/output module. 8 DI sink/source: 24VDC. 8 DO relay: 120..240VAC 2A (DX571) |
| Made To Order           | No   |
| Minimum Order Quantity  | 1 piece  |
| Order Multiple          | 1 piece  |
| Selling Unit of Measure | piece  |

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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.14 kg  |
| Product Net Depth / Length     | 135 mm   |
| Product Net Height             | 74 mm    |
| Product Net Width              | 34 mm    |
| Gross Weight                   | 0.242 kg |
| Package Level 1 Depth / Length | 93 mm    |
| Package Level 1 Height         | 63 mm    |
| Package Level 1 Width          | 170 mm   |
| Package Level 1 Units          | 1 carton |

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## Technical

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|                                     |   |
|-------------------------------------|---|
| Function                            | 8 DI sink/source: 24VDC. 8 DO relay: 120..240VAC 2A |
| Number of Digital Inputs            | 8   |
| Number of Digital Outputs           | 8   |
| Number of Digital Configurable I/Os | 0   |
| Input Voltage Type                  | AC/DC   |
| Input Current                       | 5 mA  |
| Maximum Input Voltage               | 0 ... 30 V  |
| Delay Time (T)                      | 8 ... 8 ms  |
| Output                              | Relay   |
| Output Voltage Type                 | AC  |
| Output Voltage (U <sub>out</sub> )  | 24...230 V  |
| Output Current                      | 2 A   |
| Output Voltage Maximum              | 195.5 ... 276 V                                     |
| Connection Type                     | Pluggable   |
| Degree of Protection                | IP20  |
| Supply Voltage                      | 20.4 ... 28.8 V DC                                  |
| Ambient Air Temperature             | Operation 0 ... +60 °C<br>Storage -40 ... +70 °C    |

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## Additional Information

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|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX571                       |
| Product Name      | Distributed Automation I/Os |

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## Classifications

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|                    |  |
|--------------------|--|
| eClass             | 27-24-22-04                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151705                               |

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## Environmental

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|                |   |
|----------------|---|
| SCIP           | fcf81398-6142-481c-8bff-736b95ecf10f Germany (DE) |
| WEEE B2C / B2B | Business To Business                              |

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## Where Used (as part of "kit")

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| Identifier      | Description                 | Type |
|-----------------|-----------------------------|------|
| 1SAP186200R1400 | TA590-8DI-8DO V3 IO Kit KNX | Kit  |

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PRODUCT-DETAILS

# DX561

Digital input/output module. 8 DI sink/source:  
24VDC. 8 DO: 24VDC 0.5A (DX561)



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## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX561   |
| Product ID            | 1TNE968902R2301   |
| ABB Type Designation  | DX561   |
| EAN                   | 6943747170275   |
| Catalog Description   | Digital input/output module. 8 DI sink/source: 24VDC. 8 DO: 24VDC 0.5A (DX561)                  |
| Long Description      | DX561: S500-eCo Digital input/output module. 8 DI sink/source: 24VDC. 8 DO: 24VDC 0.5A. 1-wire. |

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## Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | China (CN)<br>Germany (DE)<br>Finland (FI)                                     |
| CN8                     | 85371091   |
| Invoice Description     | Digital input/output module. 8 DI sink/source: 24VDC. 8 DO: 24VDC 0.5A (DX561) |
| Made To Order           | No   |
| Minimum Order Quantity  | 1 piece  |
| Order Multiple          | 1 piece  |
| Selling Unit of Measure | piece  |



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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.12 kg  |
| Product Net Depth / Length     | 135 mm   |
| Product Net Height             | 74 mm    |
| Product Net Width              | 34 mm    |
| Gross Weight                   | 0.223 kg |
| Package Level 1 Depth / Length | 93 mm    |
| Package Level 1 Height         | 63 mm    |
| Package Level 1 Width          | 170 mm   |
| Package Level 1 Units          | 1 carton |

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## Technical

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|                                     |  |
|-------------------------------------|--|
| Function                            | 8 DI sink/source: 24VDC. 8 DO: 24VDC 0.5A        |
| Number of Digital Inputs            | 8  |
| Number of Digital Outputs           | 8  |
| Number of Digital Configurable I/Os | 0  |
| Input Voltage Type                  | DC   |
| Input Current                       | 5 mA   |
| Maximum Input Voltage               | 0 ... 30 V                                       |
| Delay Time (T)                      | 8 ... 8 ms                                       |
| Output                              | Transistor                                       |
| Output Voltage Type                 | DC   |
| Output Voltage (U <sub>out</sub> )  | 24 V   |
| Output Current                      | 0.5 A  |
| Output Voltage Maximum              | 20.4 ... 28.8 V                                  |
| Connection Type                     | Pluggable  |
| Degree of Protection                | IP20   |
| Supply Voltage                      | 20.4 ... 28.8 V DC                               |
| Ambient Air Temperature             | Operation 0 ... +60 °C<br>Storage -40 ... +70 °C |

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## Additional Information

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|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX561                       |
| Product Name      | Distributed Automation I/Os |

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## Classifications

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|                    |  |
|--------------------|--|
| eClass             | 27-24-22-04                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151705                               |

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## Environmental

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|                |   |
|----------------|---|
| SCIP           | d489bfe7-acff-4b7d-88d2-f7897895db34 Germany (DE) |
| WEEE B2C / B2B | Business To Business                              |

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PRODUCT-DETAILS

# DX531

Digital input/output module. 8DI: 4DO: Relay:  
0DC: 24 ... 230 V AC/DC 3 A (DX531)



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## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX531   |
| Product ID            | 1SAP245000R0001   |
| ABB Type Designation  | DX531   |
| EAN                   | 4016779650960   |
| Catalog Description   | Digital input/output module. 8DI: 4DO: Relay: 0DC: 24 ... 230 V AC/DC 3 A (DX531)         |
| Long Description      | DX531: S500 Digital input/output module. 8 DI: 115..230VAC. 4 DO relay: 230VAC 3A. 2-wire |

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## Ordering

|                         |   |
|-------------------------|---|
| Country of Origin       | Germany (DE)<br>Finland (FI)  |
| CN8                     | 85389091  |
| Invoice Description     | Digital input/output module. 8 DI: 115..230VAC. 4 DO relay: 230VAC 3A (DX531) |
| Made To Order           | No  |
| Minimum Order Quantity  | 1 piece   |
| Order Multiple          | 1 piece   |
| Selling Unit of Measure | piece   |

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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.151 kg |
| Product Net Depth / Length     | 62 mm    |
| Product Net Height             | 76 mm    |
| Product Net Width              | 67.5 mm  |
| Gross Weight                   | 0.175 kg |
| Package Level 1 Depth / Length | 84 mm    |
| Package Level 1 Height         | 72 mm    |
| Package Level 1 Width          | 71 mm    |
| Package Level 1 Units          | 1 carton |

## Technical

|                                     |  |
|-------------------------------------|--|
| Function                            | 8 DI: 115..230VAC. 4 DO relay: 230VAC 3A         |
| Number of Analog Configurable I/Os  | 0  |
| Number of Digital Inputs            | 8  |
| Number of Digital Outputs           | 4  |
| Number of Digital Configurable I/Os | 0  |
| Input Voltage Type                  | AC   |
| Maximum Input Voltage               | 0 ... 265 V                                      |
| Delay Time (T)                      | 20 ... 20 ms                                     |
| Output                              | Relay  |
| Output Voltage Type                 | AC   |
| Output Voltage (U <sub>out</sub> )  | 24 ... 230 V AC/DC                               |
| Output Current                      | 3 A  |
| Output Voltage Maximum              | 195.5 ... 276 V                                  |
| Degree of Protection                | IP20   |
| Supply Voltage                      | 20.4 ... 28.8 V DC                               |
| Ambient Air Temperature             | Operation 0 ... +60 °C<br>Storage -40 ... +70 °C |

## Additional Information

|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX531                       |
| Product Name      | Distributed Automation I/Os |

## Classifications

|                    |  |
|--------------------|--|
| eClass             | 27-24-22-04                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151705                               |

## Environmental

|                |  |
|----------------|--|
| SCIP           | c9bf362a-cc21-47fa-8a05-4084ee252c86 Germany (DE)          |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

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PRODUCT-DETAILS

# DX522-XC

Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522-XC)



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## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX522-XC  |
| Product ID            | 1SAP445200R0001   |
| ABB Type Designation  | DX522-XC  |
| EAN                   | 4016779846363   |
| Catalog Description   | Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522-XC)                                    |
| Long Description      | DX522-XC: S500 Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A. 2..3 wire. eXtreme Conditions |

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## Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | Germany (DE)<br>Finland (FI)   |
| CN8                     | 85389091   |
| Invoice Description     | Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522-XC) |
| Made To Order           | No   |
| Minimum Order Quantity  | 1 piece  |
| Order Multiple          | 1 piece  |
| Selling Unit of Measure | piece  |

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## Dimensions

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|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 0.177 kg |
| Product Net Depth / Length     | 62 mm    |
| Product Net Height             | 76 mm    |
| Product Net Width              | 67.5 mm  |
| Gross Weight                   | 0.201 kg |
| Package Level 1 Depth / Length | 84 mm    |
| Package Level 1 Height         | 72 mm    |
| Package Level 1 Width          | 71 mm    |
| Package Level 1 Units          | 1 carton |

## Technical

|                                     |  |
|-------------------------------------|--|
| Function                            | 8 DI: 24VDC. 8 DO relay: 230VAC 3A             |
| Number of Digital Inputs            | 8  |
| Number of Digital Outputs           | 8  |
| Number of Digital Configurable I/Os | 0  |
| Input Voltage Type                  | DC   |
| Input Current                       | 5 mA   |
| Maximum Input Voltage               | 0 ... 30 V                                     |
| Delay Time (T)                      | 0.1 ... 32 ms                                  |
| Output                              | Relay  |
| Output Voltage Type                 | AC   |
| Output Current                      | 3 A  |
| Output Voltage Maximum              | 195.5 ... 276 V                                |
| Degree of Protection                | IP20   |
| Supply Voltage                      | 20.4 ... 28.8 V DC                             |
| Ambient Air Temperature             | Operation -30...+70 °C<br>Storage -40...+85 °C |

## Additional Information

|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX522                       |
| Product Name      | Distributed Automation I/Os |

## Classifications

|                    |  |
|--------------------|--|
| eClass             | 27-24-22-04                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151705                               |

## Environmental

|                |  |
|----------------|--|
| SCIP           | 1cb9e022-d556-4418-8452-df040dee509a Germany (DE)          |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

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PRODUCT-DETAILS

# DX522

Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522)



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## General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | DX522   |
| Product ID            | 1SAP245200R0001   |
| ABB Type Designation  | DX522   |
| EAN                   | 4016779649186   |
| Catalog Description   | Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522)                 |
| Long Description      | DX522: S500 Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A. 2..3 wire. |

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## Ordering

|                         |   |
|-------------------------|---|
| Country of Origin       | Germany (DE)<br>Finland (FI)  |
| CN8                     | 85389091  |
| Invoice Description     | Digital input/output module. 8 DI: 24VDC. 8 DO relay: 230VAC 3A (DX522) |
| Made To Order           | No  |
| Minimum Order Quantity  | 1 piece   |
| Order Multiple          | 1 piece   |
| Selling Unit of Measure | piece   |

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## Dimensions

|                    |          |
|--------------------|----------|
| Product Net Weight | 0.177 kg |
|--------------------|----------|

|                                |          |
|--------------------------------|----------|
| Product Net Depth / Length     | 62 mm    |
| Product Net Height             | 76 mm    |
| Product Net Width              | 67.5 mm  |
| Gross Weight                   | 0.201 kg |
| Package Level 1 Depth / Length | 84 mm    |
| Package Level 1 Height         | 72 mm    |
| Package Level 1 Width          | 71 mm    |
| Package Level 1 Units          | 1 carton |

## Technical

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Function                            | 8 DI: 24VDC. 8 DO relay: 230VAC 3A |
| Number of Digital Inputs            | 8                                  |
| Number of Digital Outputs           | 8                                  |
| Number of Digital Configurable I/Os | 0                                  |
| Input Voltage Type                  | DC                                 |
| Input Current                       | 5 mA                               |
| Maximum Input Voltage               | 0 ... 30 V                         |
| Delay Time (T)                      | 0.1 ... 32 ms                      |
| Output                              | Relay                              |
| Output Voltage Type                 | AC                                 |
| Output Current                      | 3 A                                |
| Output Voltage Maximum              | 195.5 ... 276 V                    |
| Degree of Protection                | IP20                               |
| Supply Voltage                      | 20.4 ... 28.8 V DC                 |

## Additional Information

|                   |                             |
|-------------------|-----------------------------|
| Product Main Type | DX522                       |
| Product Name      | Distributed Automation I/Os |

## Classifications

|                    |  |
|--------------------|--|
| eClass             | 27-24-22-04                            |
| EPLAN Catalog Tree | Electrical engineering / PLC / General |
| ETIM 8             | EC001419 - PLC digital I/O-module      |
| UNSPSC             | 32151705                               |

## Environmental

|                |  |
|----------------|--|
| SCIP           | 54022755-35db-4bd9-801a-5eba2aedd4e9 Germany (DE)          |
| WEEE B2C / B2B | Business To Business                                       |
| WEEE Category  | 5. Small Equipment (No External Dimension More Than 50 cm) |

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Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://abbdrives.nt-rt.ru/> || [aei@nt-rt.ru](mailto:aei@nt-rt.ru)