



Similar to illustration

| Color coding acc. to DIN VDE 47100 |        | Connector WAGO 231 (M) |        | PLC connector |        |
|------------------------------------|--------|------------------------|--------|---------------|--------|
| Pin number                         | Wiring | Pin number             | Signal | Pin number    | Signal |
| White                              |        | 1                      | 0.0    | 1             | 0      |
| Brown                              |        | 2                      | 0.1    | 2             | 1      |
| Green                              |        | 3                      | 0.2    | 3             | 2      |
| Yellow                             |        | 4                      | 0.3    | 4             | 3      |
| Grey                               |        | 5                      | 0.4    | 5             | 4      |
| Pink                               |        | 6                      | 0.5    | 6             | 5      |
| Blue                               |        | 7                      | 0.6    | 7             | 6      |
| Red                                |        | 8                      | 0.7    | 8             | 7      |
| Black                              |        | 9                      | nc     | 9c            | nc     |
| Violet                             |        | 10                     | N      | 18            | Com    |

  

| Color coding acc. to DIN VDE 47100 |        | Connector WAGO 231 (B) |        | PLC connector |        |
|------------------------------------|--------|------------------------|--------|---------------|--------|
| Pin number                         | Wiring | Pin number             | Signal | Pin number    | Signal |
| White                              |        | 11                     | 1.0    | 9             | 8      |
| Brown                              |        | 12                     | 1.1    | 10            | 9      |
| Green                              |        | 13                     | 1.2    | 11            | 10     |
| Yellow                             |        | 14                     | 1.3    | 12            | 11     |
| Grey                               |        | 15                     | 1.4    | 13            | 12     |
| Pink                               |        | 16                     | 1.5    | 14            | 13     |
| Blue                               |        | 17                     | 1.6    | 15            | 14     |
| Red                                |        | 18                     | 1.7    | 16            | 15     |
| Black                              |        | 19                     | nc     | 19c           | nc     |
| Violet                             |        | 20                     | nc     | nc            | nc     |

## Notes

### Note

If less than 3 channels are used simultaneously, the maximum current per conductor is 2 A and up to 5 A (30°C ambient temperature) or 3.5 A (50°C ambient temperature) at pins N/L. If more than 3 channels are used simultaneously, the maximum current per conductor is 0.75 A and up to 5 A (30°C ambient temperature) or 3.5 A (50°C ambient temperature) at pins N/L.

## Electrical data

### Inputs/outputs

16 digital inputs or outputs; for higher voltages

### Operating voltage

≤ AC/DC 250 V

### Current per wire (max.)

0.75 A

## Compatibility

### Rockwell

Rockwell Compact Logix

1769 - IA16  
1769 - IM12  
1769 - OW8I

## Connection data

### Cable type

LiYY

### Color code

per DIN VDE 47100

### Connection 1

Connector WAGO 231 Series

Pole number 1 10

Connection type 1 System

Wire cross-section 0.34 mm<sup>2</sup>

### Connection 2

Connector 2

WAGO 231 Series

Pole number 2

10

Connection type 2

System

### Connection 3

Connector 3 Rockwell-RTBN18

Pole number 3 18

Connection type 3 System

**Physical data**

Cable length

3 m

**Material Data**

Fire load

0 MJ

Weight

1.1 g

**Environmental requirements**Ambient temperature (operation at  $U_N$ )

-20 ... +50 °C

**Commercial data**

ETIM 8.0

EC000237

ETIM 7.0

EC000237

PU (SPU)

1 pcs

Packaging type

Box

GTIN

4055143048422

**Downloads****Environmental Product Compliance**

Compliance Search

Environmental Product  
Compliance  
706-4769/300-300**Documentation**

System Description

WAGO System Wiring,  
Selection Guidepdf  
533.15 KB