

## INTERFACES CONNECTOR-TO-WIRE Ribbon Cable Module 35 mm DIN Rail

- Mount on TS 35
- Flat ribbon cable into TB (screw-clamp) connection
- Male plug connection DIN 41651
- Module versions from 9 to 50 poles
- Ejector mechanism
- Width: from 34 mm to 157 mm



### Descriptions

Compact Ribbon Connector Modules provide an interface between multi-wire flat cables outfitted with IDC connectors and discrete wires. Up to 64 conductors can be terminated saving time and eliminating wiring mistakes. No special wiring or tools are required. Ribbon Cable Interface Modules are typically used in communications, data processing, process control and other industrial applications.

FBK Ribbon Cable Modules are supplied with short strain relief ejector latches screw-cage clamp terminal blocks. All terminal blocks are individually marked to correspond to the numbers on the header pins.

- Screw-Cage Clamp Connections
- Up to 64 Poles
- DIN Rail Mount

### General Information

- DIN-VDE specification: DIN EN 50178; DIN VDE 0110
- Holder material: Self-extinguishing plastic housing  
UL V0 acc IEC 529
- Operating temperature: -20 to +50°C
- Storage temperature: -25 to +70°C
- Relative humidity: (acc IEC 721-3-3 Class 3K3) 15% to 85%
- Terminal: Screw-clamp connection acc IEC 60947-7-1,  
IEC 60998-1
- Connection cross-section: 1 – 4mm<sup>2</sup> without multicore cable end  
1x0.5 to 2.5mm<sup>2</sup> with/without multicore cable end
- Connection: AWG 22-14
- Tightening torque max 0.25 Nm
- Input voltage: 125 V AC/DC
- Rated current: 1 A
- Male plug: Flat ribbon connection EN 60603-13

### Ordering information

| No. of Poles | Type     |
|--------------|----------|
| 10           | FL-TB 10 |
| 16           | FL-TB 16 |
| 20           | FL-TB 20 |
| 26           | FL-TB 26 |
| 30           | FL-TB 30 |
| 40           | FL-TB 40 |
| 50           | FL-TB 50 |
| 51           | FL-TB 51 |

|                     |               |
|---------------------|---------------|
| Type                | FL-TB 10      |
| Size mm (L x W x H) | 88 x 34 x 35  |
| Weight              | 39 gram       |
| Type                | FL-TB 16      |
| Size mm (L x W x H) | 73 x 63 x 35  |
| Weight              | 64 gram       |
| Type                | FL-TB 20      |
| Size mm (L x W x H) | 73 x 63 x 35  |
| Weight              | 70 gram       |
| Type                | FL-TB 26      |
| Size mm (L x W x H) | 88 x 77 x 35  |
| Weight              | 89.5 gram     |
| Type                | FL-TB 30      |
| Size mm (L x W x H) | 88 x 77 x 35  |
| Weight              | 71.5 gram     |
| Type                | FL-TB 40      |
| Size mm (L x W x H) | 85 x 156 x 35 |
| Weight              | 149 gram      |
| Type                | FL-TB 50      |
| Size mm (L x W x H) | 85 x 156 x 35 |
| Weight              | 167.5 gram    |
| Type                | FL-TB 51      |
| Size mm (L x W x H) | 70 x 109 x 65 |
| Weight              | 197 gram      |

### Dimensions: mm (inch)

