

## Presentation

The Telefast® connection base is an interface for connecting the I/O of the Lexium Controller motion controller to the operational section. It guarantees a quick, reliable and economic connection.

It also allows:

- Distribution of common signals on inputs
- Disconnection of outputs per channel
- Protection of the 24 V  $\overline{\text{DC}}$  power supply of the Lexium Controller motion controller using fuses

Depending on the model, it also provides:

- Visual indication of I/O status via LEDs
- Protection of each channel using fuses

It is connected directly to the HE 10 connector of the Lexium Controller motion controller via a cable.

## Characteristics

### Power supply characteristics

Supply voltage	Conforming to IEC 61131-2	V $\overline{\text{DC}}$	19...30 (Un = 24)
Maximum supply current per sub-base		A $\overline{\text{DC}}$	2
Voltage drop on supply fuse		V $\overline{\text{DC}}$	0,3
Supply overload and short-circuit protection by quick-blow fuse (included)		A	2

### Characteristics of the control circuit for one channel

Sub-base type		Passive connection sub-bases for discrete signals	
		ABE 7B20MPN20	ABE 7B20MPN22
Number of channels	Passive input	12	
	Passive output	8	
Rated voltage at Ue		V $\overline{\text{DC}}$	24
Min/max voltage	Conforming to IEC 61131-2	V $\overline{\text{DC}}$	20.4/26.4
Internal current per channel at Ue	Passive input	mA	–   3.2
	Passive output	mA	–   3.2
Conformity	Conforming to IEC 61131-2		Type 1

### Output circuit characteristics

Sub-base type		Passive connection sub-bases for discrete signals	
		ABE 7B20MPN20	ABE 7B20MPN22
Number of channels	Passive output	8	
Rated voltage at Ue	Passive output	V $\overline{\text{DC}}$	24
Current switched per I/O channel	Passive input/output	mA	15/300
Maximum current per common	Passive output	A	2
Rated insulation voltage		V	Not isolated
Channel fuse protection		mA	–   315

### Other characteristics (at ambient temperature of 20 °C)

Sub-base type		Passive connection sub-bases for discrete signals	
		ABE 7B20MPN20	ABE 7B20MPN22
Permissible leakage current without illuminating the channel LED		mA	–   1.5

# Lexium Controller motion controllers

## Telefast® I/O connection bases

000013-35-M



ABE 7B20MPN20

### References (1)

#### Telefast® I/O connection bases

Number of I/O	Number, type of inputs	Number, type of outputs	LED per channel	Fuse	Reference	Weight kg
20	12, Sink, 24 V $\overline{\text{---}}$	8, Source, 24 V $\overline{\text{---}}$	No	No	<b>ABE 7B20MPN20</b>	0.430
			Yes	Yes	<b>ABE 7B20MPN22</b>	0.430

#### Connection cables for Telefast® sub-bases

Type of signal	Type of connection		Gauge/ cross-section	Length (2)	Reference	Weight
	Lexium Controller side	Telefast® side				
			AWG/ mm <sup>2</sup>	m		kg
Discrete inputs/ outputs	HE 10 26 ways	HE 10 26 ways	28/ 0.08	0.5	<b>ABF T26B050</b>	0.080
				1	<b>ABF T26B100</b>	0.110
				2	<b>ABF T26B200</b>	0.180

#### Accessories

Description	Number of shunted terminals	Characteristics	Sold in lots of	Reference	Weight kg
Optional snap-on terminal blocks	20	–	5	<b>ABE 7BV20</b>	0.060
	12 + 8	–	5	<b>ABE 7BV20TB</b>	0.060
Quick-blow fuses 5 x 20, 250 V, UL	–	0.125 A	10	<b>ABE 7FU012</b>	0.010
		0.315 A	10	<b>ABE 7FU030</b>	0.010
		1 A	10	<b>ABE 7FU100</b>	0.010
		2 A	10	<b>ABE 7FU200</b>	0.010

1) For further information about Telefast® I/O connection bases, please refer to the "Twido programmable controllers" catalogue, or visit "[www.schneider-electric.com](http://www.schneider-electric.com)".

(2) For lengths over 2 metres, please consult your Regional Sales Office.