

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 $\overline{\text{V}}$ 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 $\overline{\text{V}}$	19...30 (Un = 24)
Maximum supply current per sub-base		A $\overline{\text{A}}$	2
Voltage drop on supply fuse		V $\overline{\text{V}}$	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 $\overline{\text{V}}$	24
Min/max voltage	Conforming to IEC 61131-2	V $\overline{\text{V}}$	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 $\overline{\text{V}}$	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 ---	8, Source, 24 V ---	No	No	ABE 7B20MPN20	0.430
			Yes	Yes	ABE 7B20MPN22	0.430

Connection cables for Telefast® sub-bases

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

Accessories

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

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