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Handheld unit type B-MPI

Overview



The handheld unit type B-MPI is suitable for manually operating machine tools, such as axis feed movements. All keys are freely assignable, and the keyboard can be optionally labeled.

Design

The handheld unit features 2-channel emergency stop and enabling circuits. The enabling button is a 3-step enabling button. The handheld unit is available for 3-wire or 4-wire enabling.

The handheld unit type B-MPI is connected via a distributor box to the MPI line. The distributor box is designed for installation in a control cabinet or in a separate enclosure.

In the version with 4-wire connection of the enabling buttons, monitoring of the transverse short-circuit is possible in the enabling circuit. Due to the modified connector layout, these handheld units can be used only with the distributor box for this version. All handheld units are UL-certified for the US and Canada.

We can supply a holder for storing the handheld unit. The holder is manufactured from black polystyrene and can be fixed to a suitable base with 4 screws.

Integration

The handheld unit type B-MPI can be used for:

- SINUMERIK 840Di sl/840D sl

Technical specifications

	6FX2007-1AC04/-1AC14 6FX2007-1AE04/-1AE14
Product name	Handheld unit type B-MPI
Operating voltage, unregulated	24 V DC
Degree of protection according to EN 60529 (IEC 60529)	IP65
Humidity rating based on EN 60721-3-3	Class 3K5 condensation and icing excluded. Low air temperature 0 °C (32 °F)
Ambient temperature	
• Storage/Transport	-20 ... +60 °C (-4 ... +140 °F)
• Operation	0 ... 45 °C (32 ... 113 °F)
Distance to NCU/PCU, max.	200 m (656 ft)
Dimensions	
• Length	252 mm (9.92 in)
• Width	114 mm (4.49 in)
• Height	110 mm (4.33 in)
Weight, approx. without connecting cable	1.2 kg (2.65 lb)
Approvals, according to	cULus

Selection and ordering data

Description	Order No.
Handheld unit type B-MPI	
3-step enabling button incl. connecting cable with connector	
• 3-wire enabling	
- Coiled connecting cable Length: 1.5 m (4.92 ft); stretches to 3.5 m (11.5 ft)	**6FX2007-1AC04**
- Straight cable Length: 10 m (32.8 ft)	**6FX2007-1AC14**
• 4-wire enabling	
- Coiled connecting cable Length: 1.5 m (4.92 ft); stretches to 3.5 m (11.5 ft)	**6FX2007-1AE04**
- Straight cable Length: 10 m (32.8 ft)	**6FX2007-1AE14**
Accessories	
Distributor	
For handheld unit and handheld programming unit incl. shorting plug	
• 3-wire enabling	**6FX2006-1BC01**
• 4-wire enabling	**6FX2006-1BH01**
Holder made of polystyrene	**6FX2006-1HA00**
Extension cable	
Between handheld unit and distributor	
• 3-wire enabling	
- Length: 5 m (16.4 ft)	**6FX2002-1AB04-1AF0**
- Length: 10 m (32.8 ft)	**6FX2002-1AB04-1BA0**
- Length: 15 m (49.2 ft)	**6FX2002-1AB04-1BF0**
- Length: 0.5 m (19.7 in) with angled connector	**6FX2002-1AB14-1AA5**
• 4-wire enabling	
- Length: 5 m (16.4 ft)	**6FX2002-1AB84-1AF0**
- Length: 10 m (32.8 ft)	**6FX2002-1AB84-1BA0**
- Length: 15 m (49.2 ft)	**6FX2002-1AB84-1BF0**
- Length: 0.5 m (19.7 in) with angled connector	**6FX2002-1AB24-1AA5**