VARIOFACE System Cabling
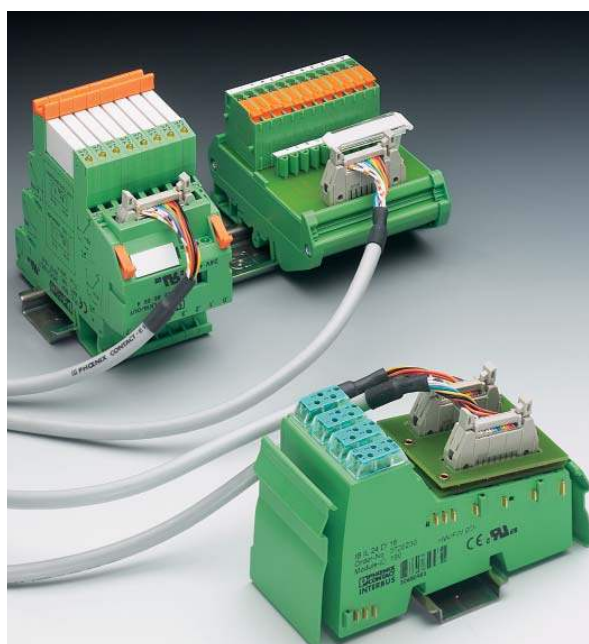# Front Adapter for the INLINE Automation System
FLKM 14-PA-INLINE/...

1. Short Description

The front adapters are used to connect pre-assembled system cables directly to INLINE and are simply plugged into the relevant INLINE terminals. Two connection options are available:
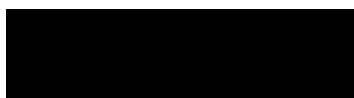
– Transfer of 2 x 8 channels via two 14-pos. system cables
– Transfer of 4 x 8 channels via four 14-pos. system cables

Tailor-made VARIOFACE controller boards complete this system concept.

Wiring of a 16-channel INLINE terminal with front adapter, system cables, and VARIOFACE modules.

Pin assignment: 14-pos. flat-ribbon cable male connector

FLKM 14-PA-INLINE/IN16

1 = bit 0	5 = bit 4	9, 11, 13 = "+"
2 = bit 1	6 = bit 5	10, 12, 14 = "–"
3 = bit 2	7 = bit 6	
4 = bit 3	8 = bit 7	

FLKM 14-PA-INLINE/OUT16

1 = bit 0	5 = bit 4	9, 11, 13 = N.C.
2 = bit 1	6 = bit 5	10, 12, 14 = "–"
3 = bit 2	7 = bit 6	
4 = bit 3	8 = bit 7	

FLKM 14-PA-INLINE/32

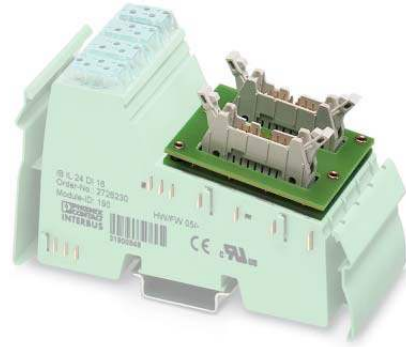|		
1 = bit 0	5 = bit 4	9, 11, 13 = N.C.
2 = bit 1	6 = bit 5	10, 12, 14 = N.C.
3 = bit 2	7 = bit 6	
4 = bit 3	8 = bit 7	

Note on the power supply:
The external power supply for the INLINE terminals is provided by power and segment terminals. For INLINE output terminals, a separate supply with U_M/U_S must be provided at the connected VARIOFACE module.

2. Technical Data

Note:
For pre-assembled cables, please refer to the INTERFACE catalog

FLKM 14-PA-INLINE/…
front adapter for INLINE

Flat-ribbon cable male connector according to IEC 603-1/DIN 41 651
Number of poles: 2 x 14 (FLKM 14-PA-INLINE/…16)
                   4 x 14 (FLKM 14-PA-INLINE/32)

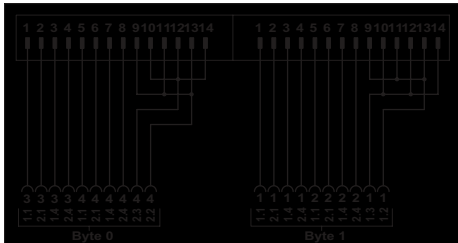| Description		Cable Length [m]
VARIOFACE front adapter for 16-channel INLINE terminals	Input IB IL 24 DI 16 Output IB IL 24 DO 16	
VARIOFACE front adapter for 32-channel INLINE terminals	Input IB IL 24 DI 32/HD Output IB IL 24 DO 32/HD	

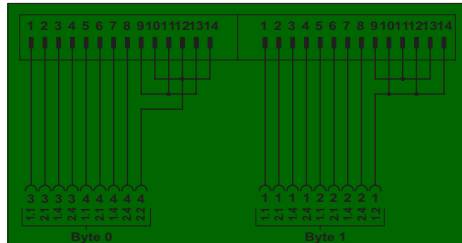| Type	Order No.	Pcs. Pkt.
FLKM 14-PA-INLINE/IN16	**23 02 75 1**	1
FLKM 14-PA-INLINE/OUT16	**23 02 76 4**	1
FLKM 14-PA-INLINE/32	**23 02 77 7**	1

Technical Data

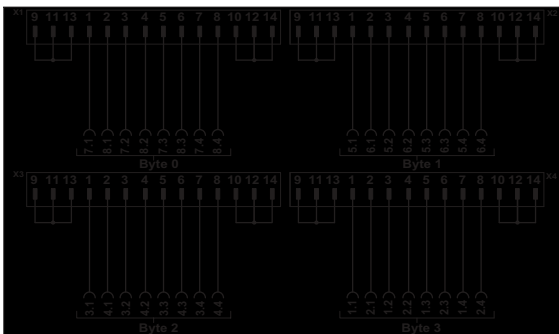|	
Maximum permissible operating voltage	60 V AC/DC
Maximum permissible current (per branch)	1 A
Test voltage (contact/contact)	0.5 kV, 50 Hz, 60 s
Ambient operating temperature range	-25°C to +55°C (-13°F to +131°F)
Standards/specifications	IEC 60 664/IEC 60 664 A/DIN VDE 0110, DIN VDE 0160 (in parts)

Connection diagram for FLKM 14-PA-INLINE/IN16

Connection diagram for FLKM 14-PA-INLINE/OUT16

Connection diagram for FLKM 14-PA-INLINE/32

Key:
14-pos. flat-ribbon cable strip
Connection to INLINE terminal points
E.g., 4 = slot 4, 1.1 = terminal point 1.1