

VARIOFACE Front Adapter for Allen Bradley ControlLogix FLKM50-PA-AB/1756... FLKM14-PA-AB/1756...

1. Brief Description

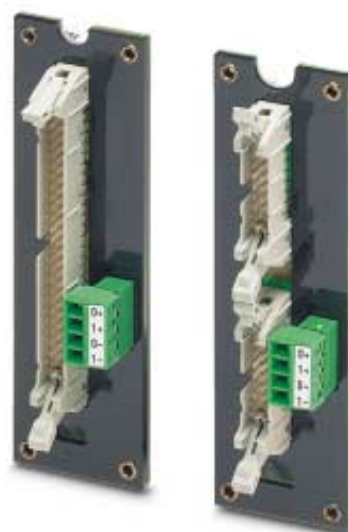
This VARIOFACE front adapter has been specifically designed for Allen Bradley ControlLogix I/O modules. The front adapters can be plugged easily into the modules, thus enabling the conversion of the I/O board to flat-ribbon cable male connectors in accordance with IEC 603-1/DIN 41 651.

Pre-assembled system cables* can now be connected directly to the I/O modules using these front adapters. VARIOFACE interface modules* for a variety of applications round off this system concept.

FLKM50-PA-AB/1756... adapters provide an easy connection, which is protected against polarity reversal, between I/O and I/O modules for a maximum of 32 I/O signals using 50-pos. system cables.

I/O modules with up to 16 I/O signals are connected using FLKM14-PA-AB/1756... front adapters. Thus two 14-pos. system cables* and two 8-channel interface modules* are required per module.

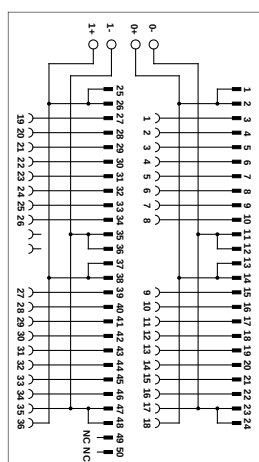
* For more detailed documentation on system cables and interface modules, please refer to the INTERFACE catalog.



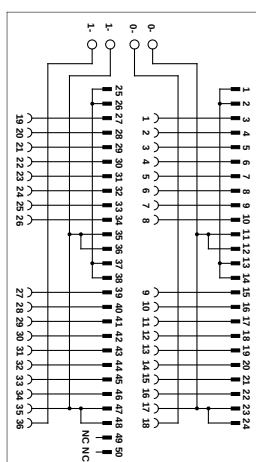
Key:

-  Flat-ribbon cable strip 50-pos. or 14-pos.
-  Connection for I/O board
-  Screw-clamp terminal blocks for separate supply

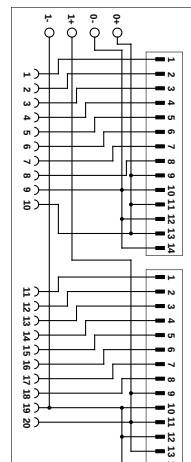
Connection Diagram
FLKM50-PA-AB/1756



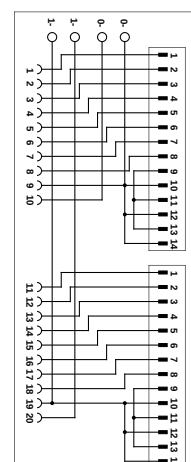
FLKM50-PA-AB/1756/IN



FLKM14-PA-AB/1756



FLKM50-PA-AB/1756/IN



2. Technical Data



	fixed [mm ²]	flexible	AWG
Connection data	0.14-1.5	0.14-1.5	28-16

Comment:

For pre-assembled cables, see Interface catalog
(observe the number of poles)

Description

VARIOFACE front adapter, for
– ControlLogix, a maximum of 1 x 32 channels* can be connected
– ControlLogix, IB 32* input board

VARIOFACE front adapter, for
– ControlLogix, a maximum of 2 x 8 channels* can be connected
– ControlLogix, IA16, IB16, IC16, and IN16 input boards

*Precise connection options can be found in the
tables on page 3 and the cross-reference grid on page 4.

Technical Data

Maximum permissible operating voltage
Maximum permissible current (per branch)
Maximum permissible current (separate voltage supply)
Test voltage (contact/contact)
Ambient operating temperature range

Standards and Regulations

Air and creepage distances

FLKM...-PA-AB/1756/...

Front adapter for Allen Bradley ControlLogix

Flat-ribbon cable male connector in accordance with IEC 603-1/DIN 41 651

Number of poles: 50 (FLKM50-PA-AB/1756, FLKM50-PA-AB/1756/IN)
2x14 (FLKM14-PA-AB/1756, FLKM14-PA-AB/1756/IN)

Additional separate voltage supply possible via COMBICON screw/
plug-in connectors.

Type	Order No.	Pcs. Pkt.
FLKM50-PA-AB/1756	22 96 42 7	1
FLKM50-PA-AB/1756/IN	22 96 43 0	1
FLKM14-PA-AB/1756	22 96 61 8	1
FLKM14-PA-AB/1756/IN	22 96 62 1	1

60 V AC/DC
1 A
8 A
0.5 kV, 50 Hz, 60 s
-20°C to +50°C (-4°F to +122°F)

IEC 664/IEC 664 A/DIN VDE 0110; DIN VDE 0160 (in parts)

**VARIOFACE Front Adapter for Allen Bradley ControlLogix
FLKM50...PA-AB/1756... and FLKM14...PA-AB/1756...**

**Front Adapter for Allen Bradley ControlLogix I/O
Modules**

Board Type	FLKM50-PA-AB/1756
Digital input	1756-IA 16 I* 1756-IB 16 D* 1756-IB 16 I* 1756-IH 16 I*
Digital output	1756-OB 16 I* 1756-OB 32
Analog input	1756-IF 8 I* 1756-IF 16 I*
Counter	1756-HSC
Servo	1756-M02 AE*

* Only in conjunction with UM45-FLK50/AB-1756,
Order No. 29 68 35 7. Do not supply voltage to the front adapter.
Risk of short circuit!

Board Type	FLKM14-PA-AB/1756
Digital input	1756-IA 8 D*
Digital output	1756-OB 16 E
Analog input	1756-IF 6 I* 1756-IR 6 I* 1756-IT 6 I*
Analog output	1756-OF 4 I* 1756-OF 6 CI* 1756-OF 6 VI* 1756-OF 8*
Switch	1756-PLS*

* Only in conjunction with UM45-2FLK14/AB-1756,
Order No. 29 68 36 0. Do not supply voltage to the front adapter.
Risk of short circuit!

Board Type	FLKM50-PA-AB/1756/IN
Digital input	1756-IB 32

Board Type	FLKM14-PA-AB/1756/IN
Digital input	1756-IN 16 1756-IA 16 1756-IB 16 1756-IC 16

**VARIOFACE Front Adapter for Allen Bradley ControlLogix
FLKM50...PA-AB/1756... and FLKM14...PA-AB/1756...**

Designation	Order Number	1756-IA16I 120 V AC	1756-IB16D 24 V DC	1756-IB16I 24 V DC	1756-IB32 24 V DC	1756-HI16I 125 V DC	1756-OB16I 24 V DC	1756-OB32 24 V DC	1756-IF8 analog	1756-IF16 analog	1756-IF32 analog	1756-IF64 analog	1756-IF128 analog	1756-IF256 analog	1756-IF512 analog	1756-IF1024 analog	1756-IF2048 analog	1756-IF4096 analog	1756-IF8192 analog	1756-IF16384 analog	1756-IF32768 analog	1756-IF65536 analog	1756-IF131072 analog	1756-IF262144 analog	1756-IF524288 analog	1756-IF1048576 analog	1756-IF2097152 analog	1756-IF4194304 analog	1756-IF8388608 analog	1756-IF16777216 analog	1756-IF33554432 analog	1756-IF67108864 analog	1756-IF134217728 analog	1756-IF268435456 analog	1756-IF536870912 analog	1756-IF1073741824 analog	1756-IF2147483648 analog	1756-IF4294967296 analog	1756-IF8589934592 analog	1756-IF17179869184 analog	1756-IF34359738368 analog	1756-IF68719476736 analog	1756-IF137438953472 analog	1756-IF274877906944 analog	1756-IF549755813888 analog	1756-IF1099511627776 analog	1756-IF2199023255552 analog	1756-IF4398046511104 analog	1756-IF8796093022208 analog	1756-IF17592186044416 analog	1756-IF35184372088832 analog	1756-IF70368744177664 analog	1756-IF140737488355328 analog	1756-IF281474976710656 analog	1756-IF562949953421312 analog	1756-IF1125899906842624 analog	1756-IF2251799813685248 analog	1756-IF4503599627370496 analog	1756-IF9007199254740992 analog	1756-IF18014398509481984 analog	1756-IF36028797018963968 analog	1756-IF72057594037927936 analog	1756-IF144115188075855872 analog	1756-IF288230376151711744 analog	1756-IF576460752303423488 analog	1756-IF1152921504606846976 analog	1756-IF2305843009213693952 analog	1756-IF4611686018427387904 analog	1756-IF9223372036854775808 analog	1756-IF18446744073709551616 analog	1756-IF36893488147419103232 analog	1756-IF73786976294838206464 analog	1756-IF147573952589676412928 analog	1756-IF295147905179352825856 analog	1756-IF590295810358705651712 analog	1756-IF1180591620717411303424 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