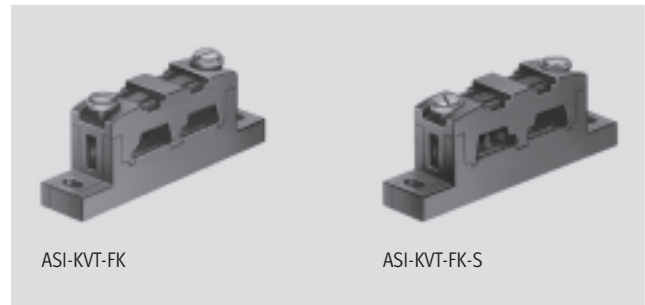# Electrical connection technology, for AS-interface

Technical data

FESTO

Cable distributor ASI-KVT-FK

- Flat cable distributor for branching the AS-interface network at any desired point
- For parallel or symmetrical cable installation
- Reverse polarity protected

ASI-KVT-FK   ASI-KVT-FK-S

General technical data		
Mounting position		Any
Type of mounting		Via through-hole
Operating voltage range	[V AC]	0 … 60
	[V DC]	0 … 75
Acceptable current load	[A]	3
Connection type		Insulation displacement technology
Connection cross section	[mm^2]	1.5
Protection class		IP65 (fully assembled)
Product weight	[g]	7.2

Materials	
Housing	PA
Pin contacts	Bronze

Operating and environmental conditions		
Ambient temperature with flexible cable installation	[°C]	−5 … +50
Storage temperature	[°C]	−30 … +85

Electrical connection technology, for AS-interface

Technical data

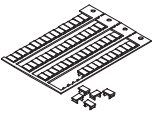| Dimensions	Download CAD data → **www.festo.com**

ASI-KVT-FK

1 Contact pins for flat cable contacting
2 Mounting option for inscription labels IBS-6x10

ASI-KVT-FK-S

1 Contact pins for flat cable contacting
2 Mounting option for inscription labels IBS-6x10

Ordering data		
	Part No.	Type
Parallel cable throughfeed	**18786**	**ASI-KVT-FK**
Symmetrical cable throughfeed	**18797**	**ASI-KVT-FK-S**

Ordering data – Accessories			
	Description	Part No.	Type
	Inscription labels 6x10 mm, 64 pieces, in frames	**18576**	**IBS-6x10**

Electrical connection technology, for AS-interface

Technical data

Cable distributor ASI-KVT-FKx2

- Flat cable distributor for reconnecting from AS-interface flat cable to 4-pin M12 socket
- 2 connections: M12 socket with permanently attached cable (1 m long) and M12 socket integrated in housing
- Reverse polarity protected

General technical data		
Mounting position		Any
Type of mounting		Via through-hole
		Optionally via H-rail
AS-interface connection		AS-interface flat cable plug (must be ordered separately)
		M12x1 socket, 4-pin, A-coded
Nominal operating voltage for AS-interface	[V DC]	26.5
Operating voltage range for AS-interface	[V DC]	26.5 … 31.6
Nominal operating voltage for load voltage	[V DC]	24
Operating voltage range for load voltage	[V DC]	20.4 … 26.4
Protection class to EN 60529		IP65 (fully assembled)
Cable length	[mm]	1,000

Materials	
Housing	Reinforced PA
Cover	Reinforced PA
Seals	PUR
Note on materials	RoHS-compliant

Operating and environmental conditions		
Ambient temperature	[°C]	−5 … +50
Storage temperature	[°C]	−20 … +70
Relative air humidity	[%]	5 … 90, non-condensing, in assembled state
CE marking (see declaration of conformity)		To EU EMC Directive

Dimensions

Download CAD data ➔ www.festo.com

ASI-KVT-FKx2-M12

1 Mounting option for inscription labels IBS-6x10

2 Mounting holes for surface mounting

3 Cable PUR-OB, 1,000 mm long

4 Mounting holes for ITEM profile 40 mm or other mounting option

Pin allocation

AS-interface and auxiliary power supply		Pin	Signal	Pin	5-pin M12 socket and socket at the cable
	1 AS-interface bus	1	AS-interface +	1	
		2	AS-interface −	3	
	2 Additional power supply	1	0 V (additional supply)	2	
		2	+24 V (additional supply)	4	
			Unused	5	

Ordering data

		Product weight [g]	Part No.	Type
	Flat cable distributor for reconnecting from AS-interface flat cable to 4-pin M12 socket	190	**527474**	**ASI-KVT-FKx2-M12**

Ordering data – Accessories

	Description	Part No.	Type
	Inscription labels 6x10 mm, 64 pieces, in frames	**18576**	**IBS-6x10**
	10 plugs for (non-pressure-tight) sealing of openings with M12 female thread	**165592**	**ISK-M12**
	Mounted using 2x M2.5x6 screws For sealing unused flat cable connections	**196090**	**ASI-SD-FK-BL**