



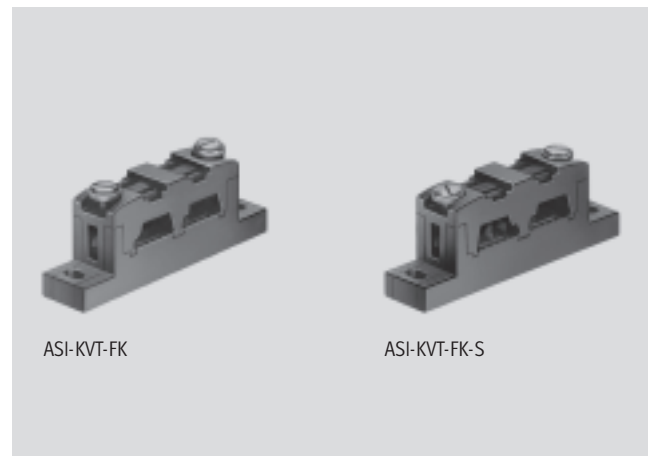
AS-interface® Components

Electrical connection technology, for AS-interface

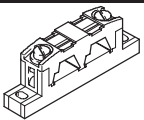
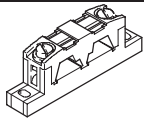
FESTO

Technical data – ASI-KVT

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



General technical data		
Type	ASI-KVT-FK	ASI-KVT-FK-S
Mounting position	Any	
Version	Cable guide parallel	Cable guide symmetrical
Connection type	Insulation displacement technology	
Connection cross-section [mm ²]	1.5	
Protection class	IP65	
Material of housing	Polyamide	
Material of contacts	Bronze	
Ambient temperature [°C]	–5 ... +50	
Storage temperature [°C]	–30 ... +85	

Ordering data							
	Type of mounting	Operating voltage range		Current-carrying capacity [A]	Product weight [g]	Type	Part No.
		[V]	[V]				
	2 screws M2.5	60 AC	75 DC	3	7.2	ASI-KVT-FK	18 786
						ASI-KVT-FK-S	18 797

Electrical connection technology, for AS-interface

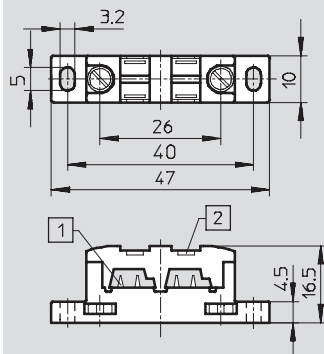
Technical data – ASI-KVT

FESTO

Dimensions

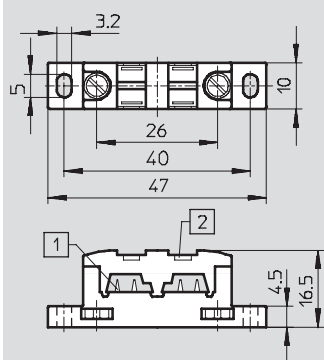
Download CAD data → www.festo.com

ASI-KVT-FK



- 1 Contact blades for flat cable contacting
- 2 Inscription label mounting options

ASI-KVT-FK-S



- 1 Contact blades for flat cable contacting
- 2 Inscription label mounting options

Electrical connection technology, for AS-interface

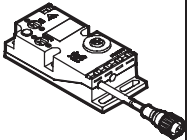
FESTO

Technical data – ASI-KVT-FKx2

- Flat cable distributor for reconnection 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		
Type	ASI-KVT-FKx2-M12	
Mounting position	Any	
Connection cross-section	[mm ²]	4x 0.34
AS-interface connection	Connection type	AS-interface flat cable plug (must be ordered separately)
	Nominal voltage	[V] 26.5 ... 31.6 DC
	Residual ripple	[mVss] 20
24 V DC connection	Connection type	AS-interface flat cable plug (must be ordered separately)
	Nominal voltage	[V] 24 DC ±10%
	Residual ripple	[mVss] 4
Protection class to EN 60 529	IP65	
Material	Housing	Polyamide
	Cables	Polyurethane
Cable length	[mm]	1000
Ambient temperature	[°C]	–5 ... +50
Storage temperature	[°C]	–20 ... +70
Shock test	To DIN IEC 68; ±30 g at 11 ms, 15 cycles	
Continuous shock test	To DIN IEC 68; ±15 g at 6 ms, 1000 cycles	
Vibration test	To DIN IEC 68; 0.35 mm at 10 ... 60 Hz, 5 g at 60 ... 150 Hz	
Protection against direct and indirect contact	By PELV	

Ordering data				
View	Type of mounting	Product weight [g]	Type	Part No.
	AS-interface flat cable plug (must be ordered separately)	208	ASI-KVT-FKx2-M12	527 474

Electrical connection technology, for AS-interface

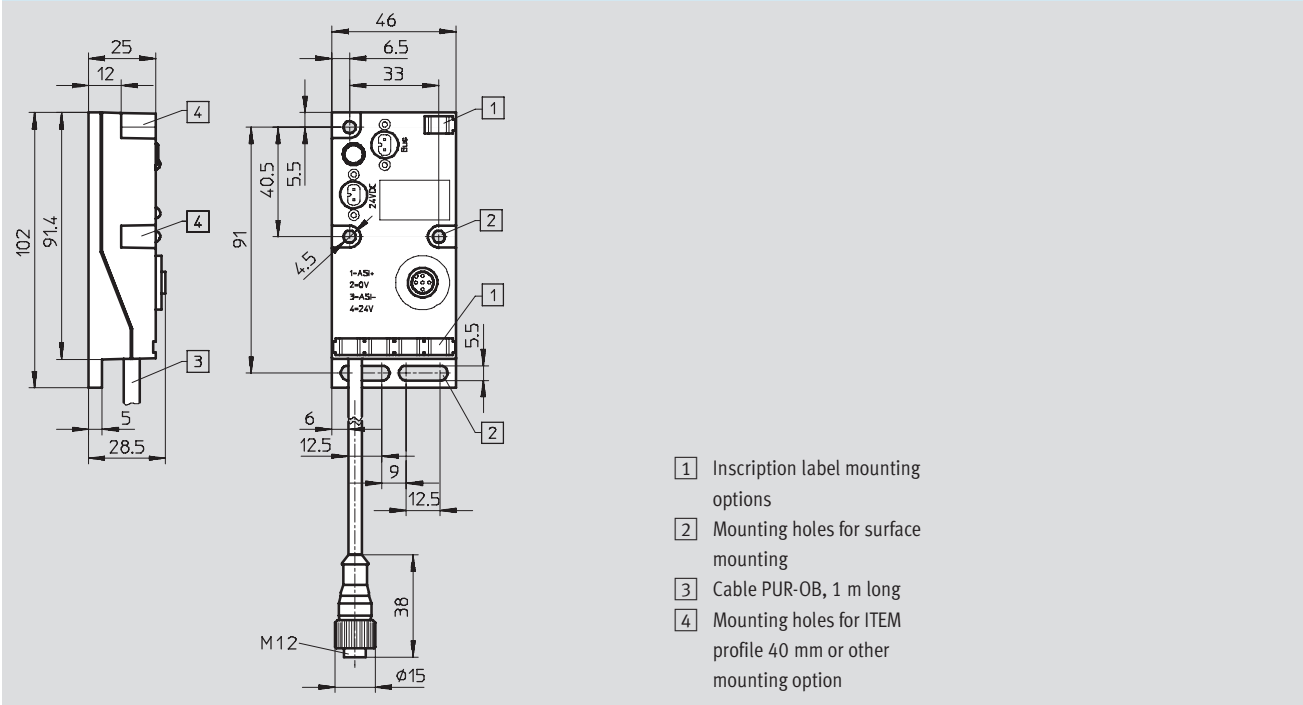


Technical data – ASI-KVT-FKx2

Dimensions

Download CAD data → www.festo.com

ASI-KVT-FKx2-M12



Pin allocation			
AS-interface and additional power supply		5-pin M12-socket and socket on the cable	
<div> <div>1</div> <div>2</div> </div>	<div>1</div> <div>AS-interface bus</div> <div>1: + (light blue)</div> <div>2: - (brown)</div>		<div>Pin 1: AS-interface +</div> <div>Pin 2: 0 V (auxiliary power supply)</div> <div>Pin 3: AS-interface -</div> <div>Pin 4: +24 V (auxiliary power supply)</div> <div>Pin 5: Unused</div>
	<div>2</div> <div>Auxiliary power supply</div> <div>1: 0 V</div> <div>2: + 24 V DC</div>		

Product Range and Company Overview

A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components
Complete custom engineered solutions



Custom Control Cabinets
Comprehensive engineering support
and on-site services



Complete Systems
Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical
Electromechanical actuators, motors,
controllers & drives



Pneumatics
Pneumatic linear and rotary actuators,
valves, and air supply



PLCs and I/O Devices
PLC's, operator interfaces, sensors
and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



© Copyright 2008, Festo Corporation. While every effort is made to ensure that all dimensions and specifications are correct, Festo cannot guarantee that publications are completely free of any error, in particular typing or printing errors. Accordingly, Festo cannot be held responsible for the same. For Liability and Warranty conditions, refer to our "Terms and Conditions of Sale", available from your local Festo office. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, electronic, mechanical, photocopying or otherwise, without the prior written permission of Festo. All technical data subject to change according to technical update.



Printed on recycled paper at New Horizon Graphic, Inc., FSC certified as an environmentally friendly printing plant.

Festo North America

United States

Customer Resource Center

502 Earth City Expy., Suite 125
Earth City, MO 63045

For ordering assistance, or to find
your nearest Festo Distributor,

Call: 1.800.99.FESTO

Fax: 1.800.96.FESTO

Email: customer.service@us.festo.com

For technical support,

Call: 1.866.GO.FESTO

Fax: 1.800.96.FESTO

Email: product.support@us.festo.com

Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788
www.festo.com/us

Sales Offices

Appleton

N. 922 Tower View Drive, Suite N
Greenville, WI 54942

Boston

120 Presidential Way, Suite 330
Woburn, MA 01801

Chicago

1441 East Business Center Drive
Mt. Prospect, IL 60056

Dallas

1825 Lakeway Drive, Suite 600
Lewisville, TX 75057

Detroit - Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326

New York

395 Moreland Road
Hauppauge, NY 11788

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550

Design and Manufacturing Operations



East: 395 Moreland Road, Hauppauge, NY 11788



Central: 1441 East Business Center Drive, Mt. Prospect, IL 60056



West: 4935 Southfront Road, Suite F, Livermore, CA 94550

Mexico

Headquarters

Festo Pneumatic, S.A.
Av. Ceylán 3, Col. Tequesquahuac
54020 Tlalnepantla, Edo. de México
Call: 011 52 [55] 53 21 66 00
Fax: 011 52 [55] 53 21 66 65
Email: festo.mexico@mx.festo.com
www.festo.com/mx



Canada

Headquarters

Festo Inc.
5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Call: 1.905.624.9000
Fax: 1.905.624.9001
Email: info.ca@ca.festo.com
www.festo.com/ca



Festo Worldwide

Argentina Australia Austria Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia Czech Republic Denmark
Estonia Finland France Germany Great Britain Greece Hong Kong Hungary India Indonesia Iran Ireland Israel Italy Japan
Latvia Lithuania Malaysia Mexico Netherlands New Zealand Norway Peru Philippines Poland Romania Russia Serbia Singapore
Slovakia Slovenia South Africa South Korea Spain Sweden Switzerland Taiwan Thailand Turkey Ukraine United States Venezuela

www.festo.com