

Connection Lead Sets 8951

FESTO

LabVolt Series

Datasheet



* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

Festo Didactic
en
12/2025

Table of Contents

General Description	3
List of Available Training Systems	3
Equipment Description	3

General Description

A number of connection lead sets are available to perform the exercises in the Festo Didactic courseware. Each set is specifically designed to meet the connection requirements of the training system in which it is included. The present datasheet lists and describes the different available connection lead sets.

List of Available Training Systems

Qty	Description	Model number
1	Connection Lead Set _____	581428 (8951-00)
1	Connection Lead Set _____	586899 (8951-10)
1	Connection Lead Set _____	586902 (8951-40)
1	Connection Lead Set _____	586903 (8951-50)
1	Connection Lead and Accessory Set _____	581429 (8951-80)
1	Connection Lead Set _____	586891 (8951-A0)
1	Connection Lead Set _____	586894 (8951-D0)
1	Connection Lead Set _____	581430 (8951-E0)
1	Connection Lead and Accessory Set _____	581431 (8951-H0)
1	Connection Lead Set _____	581432 (8951-I0)
1	Connection Lead Set _____	579638 (8951-L0)
1	Connection Lead Set _____	581434 (8951-M0)
1	Connection Lead Set _____	586897 (8951-P0)
1	Connection Lead Set _____	586898 (8951-Q0)

Equipment Description

Connection Lead Set 581428 (8951-00)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 10 x 30 cm yellow, 15 x 60 cm red, 6 x 90 cm blue.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	10
Red, 60 cm (24 in)	15
Blue, 90 cm (36 in)	6

Connection Lead Set 586899 (8951-10)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 26 x 30 cm yellow, 28 x 60 cm red, 14 x 90 cm blue.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	26
Red, 60 cm (24 in)	28
Blue, 90 cm (36 in)	14

Connection Lead Set 586902 (8951-40)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 30 x 30 cm yellow, 36 x 60 cm red, 22 x 90 cm blue. 6 x 150 cm black.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	30
Red, 60 cm (24 in)	36
Blue, 90 cm (36 in)	22
Black, 150 cm (60 in)	6

Connection Lead Set 586903 (8951-50)

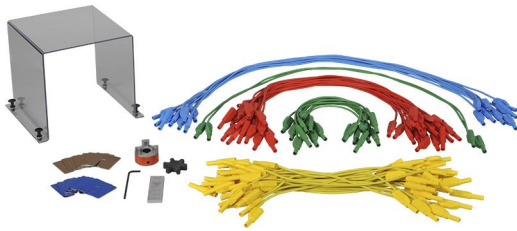
This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 26 x 30 cm yellow, 6 x 60 cm red.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	26
Red, 60 cm (24 in)	6

Connection Lead and Accessory Set 581429 (8951-80)



This Connection Lead and Accessory Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths. The set also includes a variety of accessories to install and align a dc motor and a brake motor part of training system 8036.

4mm: 10 x 30 cm green, 35 x 30 cm yellow, 20 x 60 cm red, 8 x 90 cm blue 2 x 90 cm green. Guard, shims, coupling,

straightedge, etc.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	35
Green, 30 cm (12 in)	10
Red, 60 cm (24 in)	20
Blue, 90 cm (36 in)	8
Green, 90 cm (36 in)	2
Accessories	
Includes:	Coupling
	Alignment tool
	Shims
	Allen key
	Safety guard

Connection Lead Set 586891 (8951-A0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 16 x 30 cm yellow, 16 x 60 cm red, 8 x 90 cm blue.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	16
Red, 60 cm (24 in)	16
Blue, 90 cm (36 in)	8

Connection Lead Set 586894 (8951-D0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 20 x 30 cm yellow, 21 x 60 cm red, 16 x 90 cm blue, 6 x 150 cm black.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	20
Red, 60 cm (24 in)	21
Blue, 90 cm (36 in)	16
Black, 150 cm (60 in)	6

Connection Lead Set 581430 (8951-E0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 2 mm banana plugs. The leads are supplied in two different lengths and are color coded.

2mm: 10 x 45 cm yellow, 10 x 60 cm red, 5 x 60 cm black.

Specifications

Parameter	Value
2 mm Safety Banana Plug Leads Characteristics	
Cross Section	0.5 mm ² (987 cmils)
Rated Current	10 A
Rated Voltage	30 V ac / 60 V dc
2 mm Safety Banana Plug Leads Quantities	
Black, 60 cm (24 in)	5
Red, 60 cm (24 in)	10
Yellow, 45 cm (18 in)	10

Connection Lead and Accessory Set 581431 (8951-H0)

This Connection Lead and Accessory Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. In addition, the set includes stacking 2 mm banana plug leads of different lengths and a variety of accessories to install and align a dc motor and a brake motor.

4mm: 3 x 30 cm green, 13 x 30 cm yellow, 4 x 60 cm red, 4 x 90 cm blue 3 x 90 cm green. 2mm: 4 x 15 cm white, 15 x 60 cm red. Shims, coupling, straightedge, etc.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	13
Green, 30 cm (12 in)	3
Red, 60 cm (24 in)	4
Blue, 90 cm (36 in)	4
Green, 90 cm (36 in)	3
2 mm Safety Banana Plug Leads Characteristics	
Cross Section	0.5 mm ² (987 cmils)
Rated Current	10 A
Rated Voltage	30 V ac / 60 V dc

Parameter	Value
2 mm Safety Banana Plug Leads Quantities	
White, 15 cm (6 in)	4
Red, 60 cm (24 in)	15
Accessories	
Includes:	Coupling
	Alignment tool
	Shims
	Allen key

Connection Lead Set 581432 (8951-I0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. In addition, the set includes stacking 2 mm banana plug leads of different lengths.

4mm: 1 x 30 cm green, 6 x 150 cm black, 1 x 150 cm green. 2mm: 3 x 15 cm white, 9 x 60 cm red.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Green, 30 cm (12 in)	1
Black, 150 cm (60 in)	6
Green, 150 cm (60 in)	1
2 mm Safety Banana Plug Leads Characteristics	
Cross Section	0.5 mm ² (987 cmils)
Rated Current	10 A
Rated Voltage	30 V ac / 60 V dc
2 mm Safety Banana Plug Leads Quantities	
White, 15 cm (6 in)	3
Red, 60 cm (24 in)	9

Connection Lead Set 579638 (8951-L0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. In addition, the set includes stacking 2 mm banana plug leads of the same length and color.

4mm: 20 x 30 cm yellow, 10 x 60 cm red, 4 x 90 cm blue. 2mm: 4 x 60 cm red.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	20
Red, 60 cm (24 in)	10
Blue, 90 cm (36 in)	4
2 mm Safety Banana Plug Leads Characteristics	
Cross Section	0.5 mm ² (987 cmils)
Rated Current	10 A
Rated Voltage	30 V ac / 60 V dc
2 mm Safety Banana Plug Leads Quantities	

Parameter	Value
Red, 60 cm (24 in)	4

Connection Lead Set 581434 (8951-M0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and colors.

4mm: 10 x 30 cm green, 25 x 30 cm yellow, 5 x 60 cm red, 2 x 90 cm blue, 2 x 90 cm green, 5 x 150 cm black, 1 x 150 cm green.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	1 mm ² (1974 cmil)
Rated Current	19 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	25
Green, 30 cm (12 in)	10
Red, 60 cm (24 in)	5
Blue, 90 cm (36 in)	2
Green, 90 cm (36 in)	2
Black, 150 cm (60 in)	5
Green, 150 cm (60 in)	1

Connection Lead Set 586897 (8951-P0)

This Connection Lead Set consists of a three-phase shielded cable terminated with stacking 4 mm safety banana plugs as well as a bundle of shielded cables terminated with 2 mm banana plugs.

2 x 3 phase + ground 60 cm cable. 2 x (2mmx5).

Specifications

Parameter	Value
Three-Phase Shielded Cable Characteristics	
Number of Conductors per Cable	3 (shield not included)
Cross Section	1 mm ² (1974 cmil)
Rated Current	8 A
Rated Voltage	600 V
Length	1 m
Three-Phase Shielded Cable Quantities	2
Shielded Cables Terminated with Stacking 2 mm Banana Plugs Characteristics	
Number of Conductors per Cable	4 (shield not included)
Cross Section	0.324 mm ² (640 cmils)
Rated Current	2.2 A
Rated Voltage	30 V ac / 60 V dc
Length	0.9 m
Shielded Cables Terminated with Stacking 2 mm Banana Plugs Quantities	
Shielded Cables Terminated with Stacking 2 mm Banana Plug Leads Quantities	2

Connection Lead Set 586898 (8951-Q0)

This Connection Lead Set consists of extra-flexible leads terminated with stacking 4 mm safety banana plugs. The leads are supplied in different lengths and are color-coded according to length.

4mm: 25 x 30 cm yellow, 15 x 60 cm red, 30 x 90 cm blue.

Specifications

Parameter	Value
4 mm Safety Banana Plug Leads Characteristics	
Cross Section	2.5 mm ² (4934 cmils)
Rated Current	32 A
Rated Voltage	600 V, CAT II
4 mm Safety Banana Plug Leads Quantities	
Yellow, 30 cm (12 in)	25
Red, 60 cm (24 in)	15
Blue, 90 cm (36 in)	30

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

Festo Didactic reserves the right to make product improvements at any time and without notice and is not responsible for typographical errors. Festo Didactic recognizes all product names used herein as trademarks or registered trademarks of their respective holders. © Festo Didactic Inc. 2025. All rights reserved.

Festo Didactic SE

Rechbergstrasse 3
73770 Denkendorf
Germany

P. +49(0)711/3467-0
F. +49(0)711/347-54-88500

Festo Didactic Inc.

607 Industrial Way West
Eatontown, NJ 07724
United States

P. +1-732-938-2000
F. +1-732-774-8573

Festo Didactic Ltée/Ltd

675 rue du Carbone
Québec QC G2N 2K7
Canada

P. +1-418-849-1000
F. +1-418-849-1666

www.labvolt.com

www.festo-didactic.com