

FDLI 2.5-4

Three-conductor functional terminals

*The new three-conductor functional terminals **FDLI** offer a wide range of functions and many different application possibilities at a width of 5.1 mm.*

Solid wires and flexible wires with wire-end ferrules can be inserted into the connection mechanism without the need for tools. The maximum connection cross-section is 4 mm². The cross-connections **FQI** are available with 2 to 10 poles, are insulated and have a pluggable design. They cross connect up to the rated current of the relevant terminals **FDLI**.

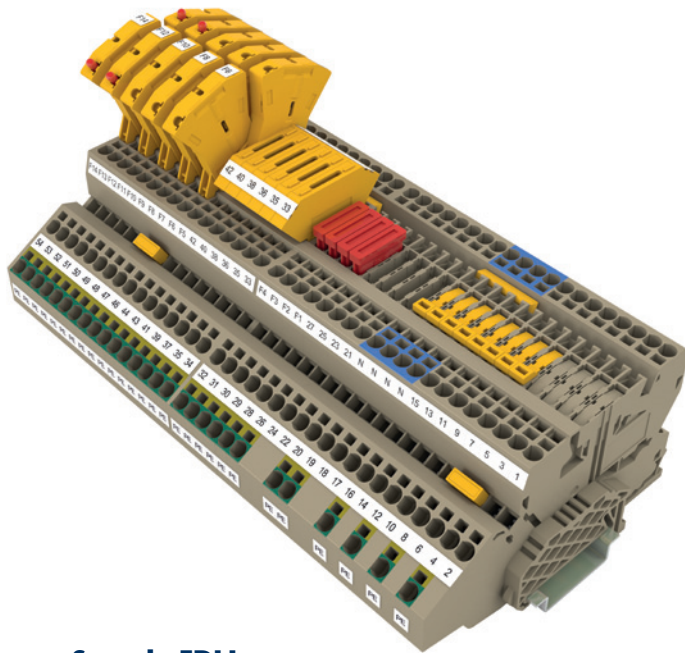
The base terminals of the **FDLI 2.5-4**-series are available in eight different versions. Users are offered optimal solutions for every application with the feed-through terminal, the feed-through terminal with disconnect-blade or the unpopulated terminal version with freely selectable accessories.

The basic terminal **FDLI 2.5-4 OT** can accept—without additional accessories— automotive fuses **SI C**, fuse plugs **ZS/H** for 5 x 20 mm micro-fuses with or without LED or the isolator **ZDS** and component connector.

As with all **CONTA-CLIP** PE terminals, the **FDLI** terminals also implement a two-sided contact with the DIN rail. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.

Features

- Terminal housing can be snapped on TS 35 rail
- Terminal width 5.1 mm
- Basic terminal **FDLI 2.5-4 OT** with many combination possibilities thanks to the wide range of accessories.
- PE foot makes contact with the DIN rail on both sides



Sample **FDLI**

Three-conductor functional terminals FDLI

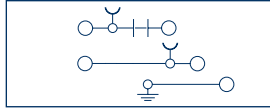
Pressure-spring-connection system



- Foot can be snapped on TS35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

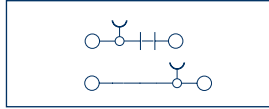
Connection diagram

FDLI 2.5-4 NT/L/PE



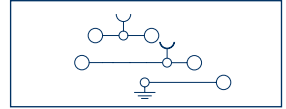
Three-wire installation terminal with disconnect lever, 5 connections

FDLI 2.5-4 NT/L



Three-wire installation terminal with disconnect lever, 4 connections

FDLI 2.5-4 L/L/PE



Three-wire installation terminal, 5 connections

Connection type	Pressure-spring system	Pressure-spring system	Pressure-spring system
Size (L x W x H) mm with TS 35 x 7.5, mm	101 x 5.1 x 55.6	101 x 5.1 x 55.6	101 x 5.1 x 54
Type	Qty.	Qty.	Qty.
Type / colour	FDLI 2.5-4 NT/L/PE	FDLI 2.5-4 NT/L	FDLI 2.5-4 L/L/PE
Cat. no.	3283.2	3284.2	3285.2
Type / colour	FDLI 2,5-4 MT/L/PE	FDLI 2,5-4 MT/L	
Cat. no.	3282.2	3289.2	
Type / colour			
Cat. no.			
Type / colour			
Cat. no.			
Colours available			
Ratings	②	②	②
Rated voltage, V	IEC* 400 UL* 300 CSA* 300	IEC* 400 UL* 300 CSA* 300	IEC* 400 UL* 300 CSA* 300
Rated current, A	18/32 15 15	18/32 15 15	18/32 15 15
Rated cross-section, mm ² AWG	4 26-10	4 26-10	4 26-10
Rated impulse voltage, kV Contamination degree	6 3	6 3	6 3
Plug gauge acc. to EN 60 947-1 Flammability class acc. to UL 94	A3 V0	A3 V0	A3 V0
Connection data			
Single wire (solid) stranded, mm ²	0.2-4 -	0.2-4 -	0.2-4 -
Finely-stranded finely-stranded (w/ferrules acc. to DIN 46 228/1), mm ²	0.2-4 0.2-2.5	0.2-4 0.2-2.5	0.2-4 0.2-2.5
Clamping area, mm ²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Features			
Material of insulated housing Temperature range	PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C
Number of cross-connection channels Test pick-off option	2 -	2 -	2 -
Accessories	Qty.	Qty.	Qty.
End plate FAPDT	FAPDT 4 BG	FAPDT 4 BG	FAPDT 4 BG
Cat. no.	3487.2	3487.2	3487.2
Insulated cross-connector FQI	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE
Order No. 2-pole	3492.8	3492.8	3492.8
Insulated cross-connector FQI	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE
Order No. 3-pole	3493.8	3493.8	3493.8
Insulated cross-connector FQI	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE
Order No. 4-pole	3494.8	3494.8	3494.8
Insulated cross-connector FQI	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE
Order No. 5-pole	3495.8	3495.8	3495.8
Insulated cross-connector FQI	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE
Order No. 6-pole	3496.8	3496.8	3496.8
Insulated cross-connector FQI	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE
Order No. 7-pole	3497.8	3497.8	3497.8
Insulated cross-connector FQI	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE
Order No. 8-pole	3498.8	3498.8	3498.8
Insulated cross-connector FQI	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE
Order No. 9-pole	3499.8	3499.8	3499.8
Insulated cross-connector FQI	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE
Order No. 10-pole	3490.8	3490.8	3490.8
Feed through connectors			
Cat. no.			
ZES end stop	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	3748.2	3748.2	3748.2
SDB screwdriver	SDB 0.4x2.0	SDB 0.4x2.0	SDB 0.4x2.0
Cat. no.	3164.0	3164.0	3164.0
PMC SB quick marking	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	4600.7	4600.7	4600.7

Three-conductor functional terminals FDLI

FDLI 2.5-4 L/L	FDLI 2.5-4 OT/L/PE	FDLI 2.5-4 OT/L	FDLI 2.5-4 OT..	
				
				
Three-wire installation terminal, 4 connections	Three-wire installation basic terminal, 5 connections	Three-wire installation basic terminal, 4 connections	Combination FDLI 2.5-4 OT.. with disconnect plug	Disconnect plug
Pressure-spring system 101 x 5.1 x 54	Pressure-spring system 101 x 5.1 x 54	Pressure-spring system 101 x 5.1 x 54		
Qty.	Qty.	Qty.	Qty.	Qty.
FDLI 2.5-4 L/L 3286.2 50	FDLI 2.5-4 OT/L/PE 3287.2 50	FDLI 2.5-4 OT/L 3288.2 50	Type colour ZDS 1/ZTR Order no. 3612.2 20	 20
			Type colour ZDS 2/ZTR Order no. 3613.2 20	 20
			Type colour ZDS 3/ZTR Order no. 3614.2 20	 20
			Type colour ZDS 4/ZTR Order no. 3615.2 20	 20
			Soldered Diode 1N4007 FDLI 2.5-4 OT..	
②	②	②		
IEC* 400 UL* 300 CSA* 300	IEC* 400 UL* 300 CSA* 300	IEC* 400 UL* 300 CSA* 300		
18/32 15 15	15**/32 15 15	15**/32 15 15		
4 26-10	4 26-10	4 26-10		
6 3	6 3	6 3		
A3 V0	A3 V0	A3 V0		
0.2-4 -	0.2-4 -	0.2-4 -		
0.2-4 0.2-2.5	0.2-4 0.2-2.5	0.2-4 0.2-2.5		
0.2-4	0.2-4	0.2-4		
12	12	12		
PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C	PA 6.6 -40 to +120°C	Combination FDLI 2.5-4 OT.. with fuse plugs	Fuse plug for 5 x 20 fuses
2 -	2 -	2 -		
Qty.	Qty.	Qty.	Voltage	Qty.
FAPDT 4 BG 3487.2 20	FAPDT 4 BG 3487.2 20	FAPDT 4 BG 3487.2 20	Type colour ZS/H0/ZTR Order no. 3635.2 20	
FQI 2.5-4/2 YE 3492.8 50	FQI 2.5-4/2 YE 3492.8 50	FQI 2.5-4/2 YE 3492.8 50	Type colour ZS/H1/ZTR/36 Order no. 3631.2 10V-36V 20	
FQI 2.5-4/3 YE 3493.8 50	FQI 2.5-4/3 YE 3493.8 50	FQI 2.5-4/3 YE 3493.8 50	Type colour ZS/H2/ZTR/70 Order no. 3632.2 35V-70V 20	
FQI 2.5-4/4 YE 3494.8 20	FQI 2.5-4/4 YE 3494.8 20	FQI 2.5-4/4 YE 3494.8 20	Type colour ZS/H3/ZTR/150 Order no. 3633.2 60V-150V 20	
FQI 2.5-4/5 YE 3495.8 20	FQI 2.5-4/5 YE 3495.8 20	FQI 2.5-4/5 YE 3495.8 20	Type colour ZS/H4/ZTR/250 Order no. 3634.2 140V-250V 20	
FQI 2.5-4/6 YE 3496.8 20	FQI 2.5-4/6 YE 3496.8 20	FQI 2.5-4/6 YE 3496.8 20		
FQI 2.5-4/7 YE 3497.8 20	FQI 2.5-4/7 YE 3497.8 20	FQI 2.5-4/7 YE 3497.8 20		
FQI 2.5-4/8 YE 3498.8 10	FQI 2.5-4/8 YE 3498.8 10	FQI 2.5-4/8 YE 3498.8 10		
FQI 2.5-4/9 YE 3499.8 10	FQI 2.5-4/9 YE 3499.8 10	FQI 2.5-4/9 YE 3499.8 10		
FQI 2.5-4/10 YE 3490.8 10	FQI 2.5-4/10 YE 3490.8 10	FQI 2.5-4/10 YE 3490.8 10		
MT-FIX BG 3488.2 20	MT-FIX BG 3488.2 20	MT-FIX BG 3488.2 20		
ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50	ZES 35 BG 3748.2 50		
SDB 0.4x2.0 3164.0 1	SDB 0.4x2.0 3164.0 1	SDB 0.4x2.0 3164.0 1		
PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500	PMC SB 5/50 WH 4600.7 500		
			FDLI 2.5-4 OT..	
				
			Combination FDLI 2.5-4 OT.. with automotive fuse	Automotive fuse
			Type	Cat. no.
			SI C 0.500 A/32V	4990.0 blue 100
			SI C 1.000 A/32V	4991.0 black 100
			SI C 2.000 A/32V	4992.0 grey 100
			SI C 3.000 A/32V	4993.0 violet 100
			SI C 4.000 A/32V	4994.0 pink 100
			SI C 5.000 A/32V	4995.0 bright brown 100
			SI C 7.500 A/32V	4996.0 brown 100
			SI C 10.000 A/32V	4997.0 red 100
			SI C 15.000 A/32V	4998.0 Cyan 100
			SI C 20.000 A/32V	4999.0 yellow 100



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Otto-Hahn-Str. 7
D-33161 Hövelhof

Phone +49(0)5257.9833-0
Fax +49(0)5257.9833-33

info@conta-clip.com
www.conta-clip.com