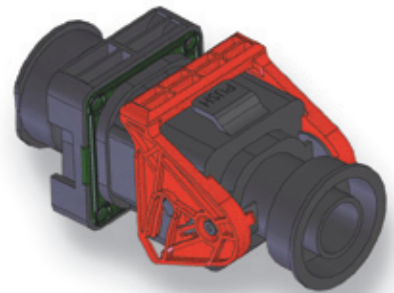
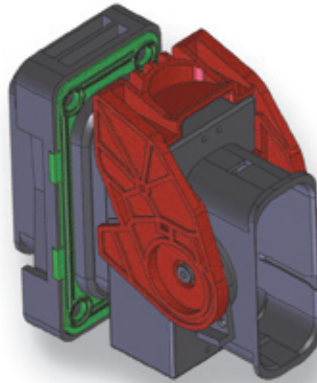




DEUTSCH  
INDUSTRIAL



## The STRIKE Connector System

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The STRIKE Connector System is designed for heavy duty equipment. It combines technical know how of DEUTSCH in connectors with today's market requirements. Three different sized compact and rugged housings are part of the STRIKE family. The modular concept of the contact layout will serve almost every application.

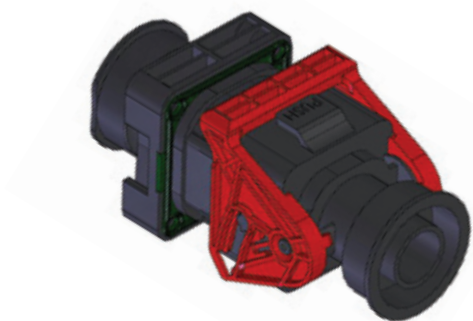
## Features and Benefits

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- ◆ SAE J2030
- ◆ Temperature: - 55°C to 125°C
- ◆ Vibration up to 30 G
- ◆ UL94 V0
- ◆ ROHS conform
- ◆ Environmentally sealed IP6k9k
- ◆ 48 V and up to 300 A
- ◆ Lever system
- ◆ Secondary Locking
- ◆ Modular System: 3 housing sizes and various layouts
- ◆ Up to 10 different keying for multiple usage
- ◆ DEUTSCH Common Contact System
- ◆ Back shell adaptation for corrugated tubes
- ◆ Build for line-to-line and bulkhead applications
- ◆ Accessories for frame and screw-less mounting

## STRIKE Power Connector

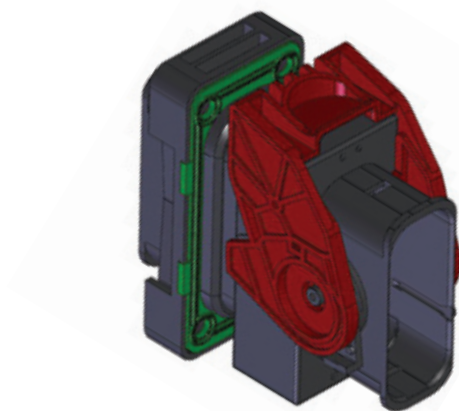
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- ◆ Power contacts in Ø 8 mm & Ø 12 mm
- ◆ Wire size 4 - 4/0 AWG / 16 - 95 mm<sup>2</sup>
- ◆ Applications up to 300 A

## Medium STRIKE Connector

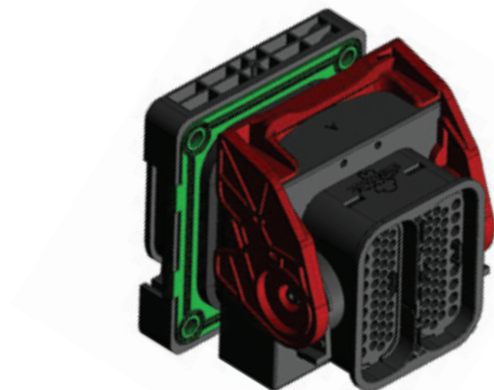
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- ◆ Multiple contact layouts
- ◆ Multiple contact sizes for signals or power applications up to 150 A

## Full STRIKE Connector

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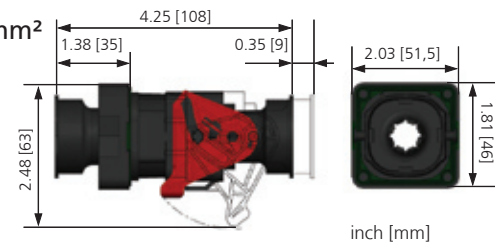


- ◆ Multiple contact layouts
- ◆ Various combinations of modules
- ◆ Multiple contact sizes for signals and power applications up to 150 A

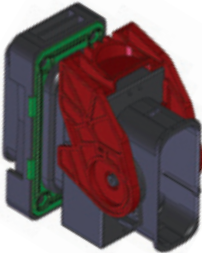
## STRIKE Power Connector



- ◆ Wire size 4 - 4/0 AWG / 16 - 95 mm<sup>2</sup>
- ◆ SRK Ø 8 mm contact for 150 A  
Ref.: \*SM# 01A\*
- ◆ SRK Ø 12 mm contact for 300 A  
Ref.: \*SM# 01B\*



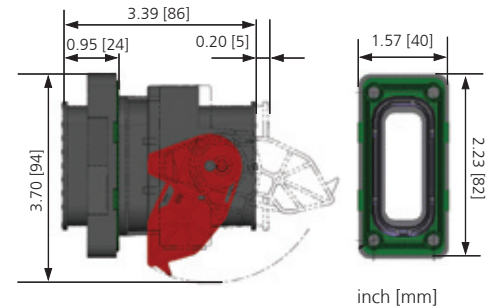
## Medium STRIKE Connector



- ◆ Multiple contact layouts
- ◆ Deutsch Common Contact System & STRIKE Contact System



28 x # 20 (7,5 A) 20 x SRK Ø 1,5 (15 A) 2 x SRK Ø 1,5 (15 A)  
4 x # 16 (13 A) (15 A) 2 x SRK Ø 8 (150 A)  
Ref.: \*32 A\* Ref.: \*20 A\* Ref.: \*04 A\*



10 x # 16  
(13 A)  
18 x # 20  
(7,5 A)



6 x # 12  
(25 A)  
12 x # 16  
(13 A)



58 x # 20  
(7,5 A)



12 x # 12  
(25 A)

Other possible contact layouts

## Full STRIKE Connector



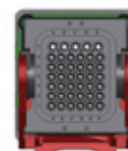
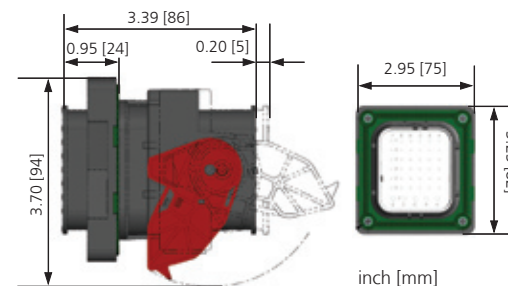
- ◆ Multiple contact layouts
- ◆ Deutsch Common Contact System & STRIKE Contact System
- ◆ Combination of layouts



56 x # 20 (7,5 A)  
8 x # 16 (13 A)  
Ref.: \*64 A\*



32 x # 20 (7,5 A)  
2 x SRK Ø 1,5 (15 A)  
2 x SRK Ø 8 (150 A)  
Ref.: \*36 A\*



36 x SRK Ø 1,5 (15 A)  
5 x SRK Ø 2,5 (24 A)  
Ref.: \*41 A\*

The housing of the FL size STRIKE connector is build to accommodate two modules of the MD size STRIKE. All modules can be chosen: either two equal modules to reach high pin count or a combination of two different modules to cover all square sections required.

**Consult your DEUTSCH team for your own customized module !**

# Cable attachment options



Standard module

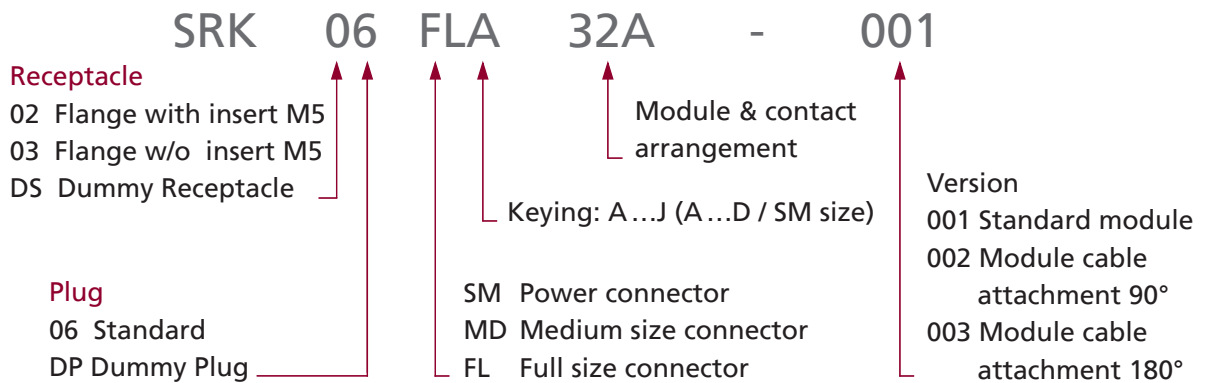


Cable attachment 90°



Cable attachment 180°

## How to order



## Accessories

Back Shells accommodate corrugated tubes NW17 & NW22



Back Shell 90° for FL size  
Ref.: SRK BS FL 90



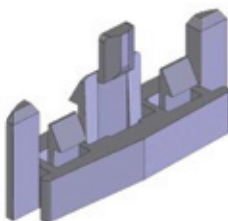
Straight for FL size  
Ref.: SRK BS FL ST



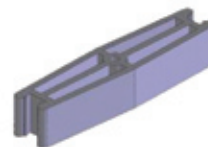
Back Shell 90° for MD size  
Ref.: SRK BS MD 90



Back Shell 180° for MD size  
Ref.: SRK BS MD ST



Fast mounting clip for snap fix  
mounting on the bulk head  
Ref.: SRK FR FL QX  
SRK FR MD QX



The Flange coupling allows  
stacking of the receptacle housings  
Ref.: SRK FR AL LK

## The Deutsch common contact system

The modules accommodate the DEUTSCH common contact system, the European based STRIKE (SRK) contact system including solid contacts for power applications in Ø 8mm and Ø 12mm.

### Solid Contacts

| Size & Type             | Part No.                               | Wire Gauge Range                | Hand Crimp Tool | Production Crimp Tool |
|-------------------------|----------------------------------------|---------------------------------|-----------------|-----------------------|
| 20 Pin<br>20 Socket     | 0460-202-20141<br>0462-201-20141       | 20 AWG / 0,5 mm²                | HDT - 48 - 00   | HDP - 400             |
| 16 Pin<br>16 Socket     | 0460-202-16141<br>0462-201-16141       | 16,18 & 20 AWG / 0,5 - 1,0 mm²  |                 |                       |
| 16 Pin<br>16 Socket     | 0460-215-16141<br>0462-209-16141       | 14 AWG / 2,0 mm²                |                 |                       |
| 12 Pin<br>12 Socket     | 0460-204-12141<br>0462-203-12141       | 12 & 14 AWG / 2,0 - 3,0 mm²     |                 |                       |
| Ø 8 Pin<br>Ø 8 Socket   | SRK PC 80 ## 001<br>SRK SC 80 ## 001   | ## = 16 / 20 / 25 / 32 / 35 mm² | OCETA D31       |                       |
| Ø 12 Pin<br>Ø 12 Socket | SRK PC 120 ## 001<br>SRK SC 120 ## 001 | ## = 40 / 50 / 70 / 95 mm²      |                 |                       |

### Stamped & Formed Contacts

| Size & Type               | Part No.                     | Wire Gauge Range                 | Hand Crimp Tool | Production Crimp Tool |
|---------------------------|------------------------------|----------------------------------|-----------------|-----------------------|
| 20 Pin<br>20 Socket       | 1060-20-0122<br>1062-20-0122 | 20, 18 & 16 AWG / 0,5 - 1,0 mm²  | DTT-20-00       | DCT-1620-02-00        |
| 20 Pin<br>20 Socket       | 1060-20-0222<br>1062-20-0222 | 20, 18 & 16 AWG / 0,5 - 1,0 mm²  | DTT-20-02       |                       |
| 16 Pin<br>16 Socket       | 1060-16-0722<br>1062-16-0722 | 18, 16 & 14 AWG / 0,75 - 2,0 mm² | DTT-16-00       |                       |
| 16 Pin<br>16 Socket       | 1060-16-0622<br>1062-16-0622 | 20, 18 & 16 AWG / 0,50 - 1,0 mm² |                 |                       |
| 16 Pin<br>16 Socket       | 1060-16-0122<br>1062-16-0122 | 18 & 16 AWG / 0,75 - 1,5 mm²     |                 |                       |
| 16 Pin<br>16 Socket       | 1060-14-0122<br>1062-14-0122 | 16 & 14 AWG / 1,0 - 2,0 mm²      |                 |                       |
| 12 Pin<br>12 Socket       | 1060-12-0166<br>1062-12-0166 | 14 & 12 AWG / 2,0 - 3,0 mm²      | DTT-12-00       | DCT-12-02-00          |
| 1,5mm Pin<br>1,5mm Socket | SRK PC 15-01<br>SRK SC 15-01 | 0,5 - 1,0 mm²                    | SMCTH-TS-1.5.1  | SMCTA-TS-1            |
| 1,5mm Pin<br>1,5mm Socket | SRK PC 15-02<br>SRK SC 15-02 | 1.5 - 2.5 mm²                    | SMCTH-TS-1.5.2  | SMCTA-TS-2            |
| 2,5mm Pin<br>2,5mm Socket | SRK PC 25-01<br>SRK SC 25-01 | 0,5 - 1,0 mm²                    | SMCTH-TS-2.5.1  | SMCTA-TS-1            |
| 2,5mm Pin<br>2,5mm Socket | SRK PC 25-02<br>SRK SC 25-02 | 1.5 - 2.5 mm²                    | SMCTH-TS-2.5.2  | SMCTA-TS-2            |

Request contact drawings for proper crimping and crimp dies.

Consult factory for alternate finishes.

|               |                            |                            |                               |
|---------------|----------------------------|----------------------------|-------------------------------|
| Sealing Plugs | Size 20: P/N 0413-204-2005 | Size 16: P/N 0413-217-1605 | SRK1,5 & 2,5 mm: P/N 25JH0024 |
|---------------|----------------------------|----------------------------|-------------------------------|

# Assembly Instruction

## Contact Insertion



Ensure secondary locking is open



Hold connector with rear seal retainer facing you



Push contact straight into the grommet until a positive stop is felt. A slight tug will confirm that it is properly locked in place.



Push to close the Secondary locking

## Contact Removal of Deutsch Common Contacts



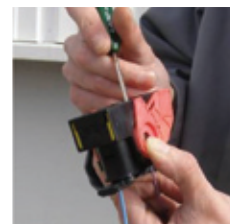
Use SRK RT 01 to open the secondary locking with light turn against the locking clip



Repeat it on the other side



Remove the secondary locking



Unlock the contacts and pull on the wire

## Contact Removal of Power and Ø 1.5 - Ø 2,5 mm Contacts

Follow step 1-3 as above to remove the secondary locking .



Bring the SRK removal tool over the contact



Push to open the clip fingers



Pull the wire to remove the contact

## Removal Tools

Removal tool for secondary locking and Deutsch Common Contacts size 20, 16 and 12:

SRK RT 01

Removal tool for SRK contacts:

Ø 1,5 mm: SRK EXT 15 A

Ø 2,5 mm: SRK EXT 25 A

Ø 8,0 mm: SRK EXT 80

Ø 12,0 mm: SRK EXT 120



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