Contents

STRIKE Series Overview

The STRIKE connector series features a lever lock system and is designed for heavy duty equipment applications. The environmentally sealed series offers two different size rugged housings that accept contacts from size 20 to 16 with arrangements of 32 and 64 cavities.

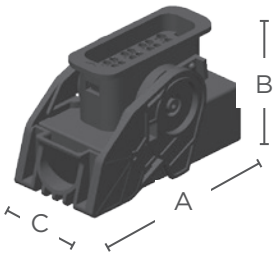
DEUTSCH CONNECTOR PERFORMANCE SPECIFICATIONS

Temperature:	Operating at temperatures -55°C to +125°C
Durability:	No electrical or mechanical defects after 100 cycles of engagement and disengagement.
Vibration:	No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.
Fluid Resistance:	Connectors show no damage when exposed to most fluids used in industrial applications.
Insulation Resistance:	1000 megohms minimum at 25°C.
Immersion:	IP68 rating
Moisture Resistance:	Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.
Dielectric Withstanding Voltage:	Current leakage less than 2 milliamps at 1500 volts AC.
Thermal Cycle:	No cracking, chipping or leaking after 20 test cycles from -55°C to +125°C.

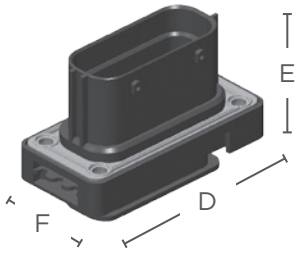
MATERIAL SPECIFICATIONS

Flange Seal:	Silicone rubber
Plug Grommet:	Silicone rubber
Receptacle Threaded Inserts:	Brass
Shell:	Glass filled PBT
TPA:	Glass filled PBT

DIMENSIONS



STRIKE Plug



STRIKE Receptacle

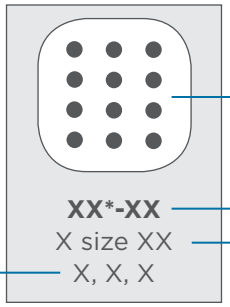
Cavity	Overall Length A	Overall Height B	Overall Width C	Overall Length D	Overall Height E	Overall Width F
MD	3.189 (81.00)	1.909 (84.50)	1.531 (38.90)	3.228 (82.00)	2.205 (56.00)	1.575 (40.00)
FL	3.358 (85.28)	1.913 (48.60)	2.780 (70.60)	3.228 (82.00)	2.205 (56.00)	2.953 (75.00)

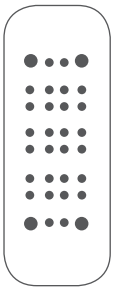
Dimensions are for reference only.

CONFIGURATIONS

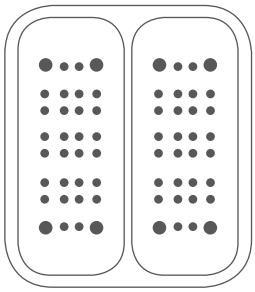
Connector Styles

I	In-line
F	Flange Mount Receptacle
P	PCB Receptacle





MD*-32A
4 Size 16
28 Size 20
I, F, P



FL*-64A
8 Size 16
56 Size 20
I, F

PART NUMBERING SYSTEM

Part Number
SRK 06 - FLA - 32A - 001

Series

Style

02	Receptacle
06	Plug
13	PCB Receptacle, 90° Pins
15	PCB Receptacle, Straight Pins

Shell Size

MD	Medium
FL	Full

Cable Attachment

001	Standard Attachment

Configuration

Key

A-J	(MD and FL size)

ORDERING INFORMATION

Here are some of the common part numbers of the STRIKE connectors. Several additional connectors may be available.

Position	Keying	Plug	Receptacle
32	A	SRK06-MDA-32A-001	SRK02-MDA-32A-001
	B	SRK06-MDB-32A-001	SRK02-MDB-32A-001
	C	SRK06-MDC-32A-001	SRK02-MDC-32A-001
64	A	SRK06-MDA-64A-001	SRK02-MDA-64A-001
	B	SRK06-MDB-64A-001	SRK02-MDB-64A-001
	C	SRK06-MDC-64A-001	SRK02-MDC-64A-001

WIRE SEALING RANGE

The wire sealing range is the recommended outside diameter of the wire insulation required to maintain an environmental seal in the rear connector cavities.

Contact Size	Standard Seal
20 16-22 AWG (1.0-0.35mm²)	.061-.095 (1.55-2.41)
16 14-20 AWG (2.0-0.5mm²)	.061-.120 (1.55-3.05)

Accessories

Backshells can be used to complement STRIKE connectors. The backshells are designed to snap onto the connectors and accept convoluted tubing. The backshells assist with wire routing to ease engagement and disengagement of the lever lock.

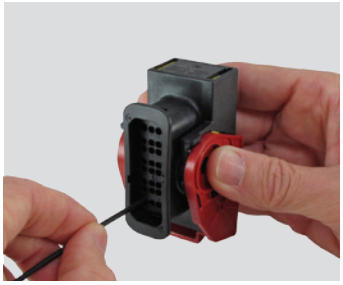
Part Number	Size	Orientation	Convoluted Tubing	Description
SRK-BS-MD-90-001 SRK-BS-MD-90-002	Medium	90°	NW17 & 22(-001) NW22(-002)	90° plastic backshell for medium or full size plugs and receptacles
SRK-BS-FL-90-001 SRK-BS-FL-90-002	Full		NW22 & 26(-001) NW26(-002)	
SRK-BS-MD-ST-001 SRK-BS-MD-ST-002	Medium	Straight	NW17(-001) NW22(-002)	Straight plastic backshell for medium or full size plugs and receptacles
SRK-BS-FL-ST-001 SRK-BS-FL-ST-002	Full		NW22(-001) NW26(-002)	

How To Instructions

CONTACT INSERTION

Step 1:
Confirm TPA locking is open.

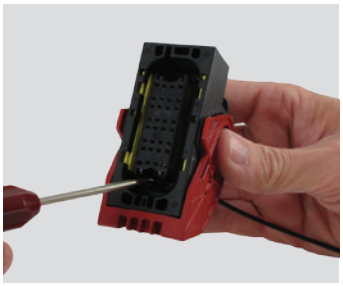
Step 2:
Hold connector with rear seal retainer facing you.



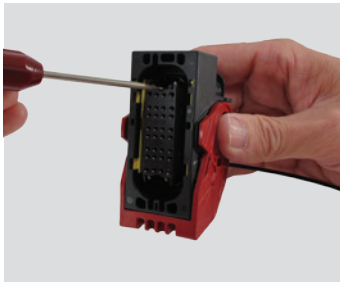
Step 3:
Push contact straight into the grommet until a positive stop is felt. A slight tug will confirm that it is properly locked in place.

Step 4:
Push to close the TPA. TPA will not close unless all contacts are fully seated in connector.

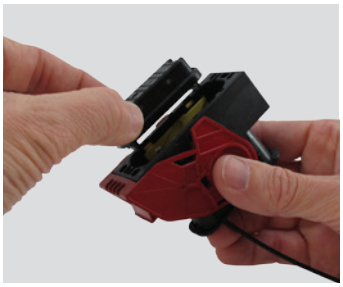
CONTACT REMOVAL



Step 1:
Use DT-RT1 to gently pry the locking clip and release the TPA.



Step 2:
Repeat step 1 on the other side of the TPA.



Step 3:
Remove the TPA.

Step 4:
Unlock the contacts and pull on the wire.