



General ordering data

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| Order No. | 1793400000 |
| Part designation | SC 3.81/12/90F3.2SN SW |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| EAN | 4032248228478 |
| Qty. | 50 pc(s). |

System parameters

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| Fitted to PCB | Soldered connection |
| Outgoing elbow | 90° |
| Pitch | 3.81 mm |
| Pitch in inch | 0.15 inch |
| No. of poles | 12 |
| Solder pin length | 3.2 mm |
| Can be coded | Yes |
| No. of rows | 1 |
| No. of solder pins per pole | 1 |
| Dia. of fitting hole | 1.2 mm |
| Fitting hole tolerance | + 0.1 mm |
| L1 in mm | 41.91 mm |
| L1 in inch | 1.65 inch |
| Insulation resistance | 1,000 MΩ |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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|---------------------------|---------------------|
| Insulating material | PA GF |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | II |
| Flammability class UL 94 | V-0 |
| CTI | ≥ 475 |
| Contact base material | Copper alloy |

Material data

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|---------------------------------------|--------|
| Contact surface | tinned |
| Constant operating temp., min. | -25 °C |
| Constant operating temp., max. | 120 °C |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |
| Max. relative humidity during storage | 93 % |

DIN IEC rating data

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| Rated current, min. No. pins (Tu=20°C) | 17.5 A |
| Rated current, min. No. pins(Tu=40°C) | 17.5 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 320 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 2.5 kV |
| Short-time withstand current resistance | 3 x 1s with 76 A |

CSA rating data

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| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |

UL 1059 rating data

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| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |

Approvals

Approvals institutes



Classifications

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| ETIM 2.0 | NK |
| ETIM 3.0 | EC001284 |

Classifications

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|------------|-------------|
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

Similar products

| Order No. | Part designation | Version |
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| 1942450000 | SC 3.81/2/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box |
| 1793330000 | SC 3.81/2/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box |
| 1793420000 | SC 3.81/2/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box |
| 1942460000 | SC 3.81/3/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box |
| 1793340000 | SC 3.81/3/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box |
| 1793430000 | SC 3.81/3/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box |
| 1942470000 | SC 3.81/4/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1793350000 | SC 3.81/4/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1793440000 | SC 3.81/4/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1942480000 | SC 3.81/5/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box |
| 1793360000 | SC 3.81/5/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box |
| 1793450000 | SC 3.81/5/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box |
| 1942490000 | SC 3.81/6/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1793370000 | SC 3.81/6/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1793460000 | SC 3.81/6/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1942500000 | SC 3.81/7/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box |
| 1942740000 | SC 3.81/7/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box |
| 1942640000 | SC 3.81/7/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box |
| 1942510000 | SC 3.81/8/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box |
| 1793380000 | SC 3.81/8/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box |
| 1793470000 | SC 3.81/8/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box |

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| 1942520000 | SC 3.81/9/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box |
| 1942750000 | SC 3.81/9/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box |
| 1942650000 | SC 3.81/9/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box |
| 1942530000 | SC 3.81/10/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1793390000 | SC 3.81/10/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1793480000 | SC 3.81/10/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1942540000 | SC 3.81/11/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |
| 1942760000 | SC 3.81/11/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |
| 1942660000 | SC 3.81/11/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |
| 1942550000 | SC 3.81/12/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1793490000 | SC 3.81/12/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1942560000 | SC 3.81/13/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942770000 | SC 3.81/13/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942670000 | SC 3.81/13/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942570000 | SC 3.81/14/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1942780000 | SC 3.81/14/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1942680000 | SC 3.81/14/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1942580000 | SC 3.81/15/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942790000 | SC 3.81/15/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942690000 | SC 3.81/15/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942590000 | SC 3.81/16/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1793410000 | SC 3.81/16/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1793500000 | SC 3.81/16/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1942600000 | SC 3.81/17/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |
| 1942800000 | SC 3.81/17/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |
| 1942700000 | SC 3.81/17/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |

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| 1942610000 | SC 3.81/18/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942810000 | SC 3.81/18/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942710000 | SC 3.81/18/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942620000 | SC 3.81/19/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |
| 1942820000 | SC 3.81/19/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |
| 1942720000 | SC 3.81/19/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |
| 1942630000 | SC 3.81/20/90F3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1942830000 | SC 3.81/20/90F3.2SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1942730000 | SC 3.81/20/90F3.2SN GN | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |