



General ordering data

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| Order No. | 1793590000 |
| Part designation | SC 3.81/12/180G 3.2SN BK BX |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box |
| EAN | 4032248230716 |
| Qty. | 50 pc(s). |

System parameters

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| Fitted to PCB | Soldered connection |
| Outgoing elbow | 180° |
| 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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|------------|-------------|
| 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 |
|------------|-----------------------------|---|
| 1942840000 | SC 3.81/02/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box |

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| 1793520000 | SC 3.81/02/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box |
| 1793610000 | SC 3.81/02/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box |
| 1942850000 | SC 3.81/03/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box |
| 1793530000 | SC 3.81/03/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box |
| 1793620000 | SC 3.81/03/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box |
| 1942860000 | SC 3.81/04/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box |
| 1793540000 | SC 3.81/04/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box |
| 1793630000 | SC 3.81/04/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box |
| 1942870000 | SC 3.81/05/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box |
| 1793550000 | SC 3.81/05/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box |
| 1793640000 | SC 3.81/05/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box |
| 1942880000 | SC 3.81/06/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box |
| 1793560000 | SC 3.81/06/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box |
| 1793650000 | SC 3.81/06/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box |
| 1942890000 | SC 3.81/07/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box |
| 1871490000 | SC 3.81/07/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box |
| 1871480000 | SC 3.81/07/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box |
| 1942900000 | SC 3.81/08/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box |
| 1793570000 | SC 3.81/08/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box |
| 1793660000 | SC 3.81/08/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box |
| 1942910000 | SC 3.81/09/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box |
| 1871470000 | SC 3.81/09/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box |
| 1871450000 | SC 3.81/09/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box |
| 1942920000 | SC 3.81/10/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box |
| 1793580000 | SC 3.81/10/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box |
| 1793670000 | SC 3.81/10/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box |

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| 1942930000 | SC 3.81/11/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box |
| 1943100000 | SC 3.81/11/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box |
| 1943030000 | SC 3.81/11/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box |
| 1942940000 | SC 3.81/12/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box |
| 1793680000 | SC 3.81/12/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box |
| 1942950000 | SC 3.81/13/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box |
| 1943110000 | SC 3.81/13/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box |
| 1943040000 | SC 3.81/13/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box |
| 1942960000 | SC 3.81/14/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box |
| 1943120000 | SC 3.81/14/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box |
| 1821000000 | SC 3.81/14/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box |
| 1942970000 | SC 3.81/15/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box |
| 1943130000 | SC 3.81/15/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box |
| 1943050000 | SC 3.81/15/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box |
| 1942980000 | SC 3.81/16/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box |
| 1793600000 | SC 3.81/16/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box |
| 1793690000 | SC 3.81/16/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box |
| 1942990000 | SC 3.81/17/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box |
| 1943140000 | SC 3.81/17/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box |
| 1943060000 | SC 3.81/17/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box |
| 1943000000 | SC 3.81/18/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box |
| 1943150000 | SC 3.81/18/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box |
| 1943070000 | SC 3.81/18/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box |
| 1943010000 | SC 3.81/19/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box |
| 1943160000 | SC 3.81/19/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box |
| 1943080000 | SC 3.81/19/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box |

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| 1943020000 | SC 3.81/20/180G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box |
| 1943170000 | SC 3.81/20/180G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box |
| 1943090000 | SC 3.81/20/180G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box |