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THERMOCOUPLE CONNECTORS SELECTION GUIDE



INTERNATIONAL THERMOCOUPLE COLOUR CODES FOR CONNECTOR BODIES

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Types	IEC	ANSI	JIS
J			
K			
T			
E			
N			
R/S			
B			
Cu (Copper)			

All THERMOCOUPLE connectors use true thermocouple alloys for optimum accuracy, Except for Type R, S & B which use compensating alloys.

Thermocouple Pins

Type	'+' Positive Pin	'-' Negative Pin
J	Iron	Copper Nickel
K	Nickel Chromium	Nickel Alloy
T	Copper	Copper Nickel
E	Nickel Chromium	Copper Nickel
N	Nickel / Chromium / Silicon	Nickel Silicon
R/S	Copper	Copper Alloy
B	Copper	Copper
CU	Copper	Copper

THERMOCOUPLE CONNECTORS

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Due to their location in often adverse environments such as hot working zones of furnaces and machinery, temperature sensors are liable to corrosion and mechanical damage. The need for occasional replacement is inevitable and the use of suitable connectors permits error-free fast, positive and reliable interchange with no risk of dangerous cross connection.

These thermocouple plugs and sockets have a technical and practical advantage over other types when terminating thermocouple wires or compensating cable in a wide variety of sizes. The wires are sandwiched between plates of thermocouple compatible material with a clamping screw, accommodating from very fine wires to stranded cables (up to 0.75mm²).

The connectors are colour coded and polarised and will mate with other makes of plugs and sockets. They can be mounted directly on to sheaths of up to 3mm diameter in the case of the miniature version or 1/4" (6.35mm) with the standard version by means of the brass bush available.

The sockets can be supplied as in-line or panel mounting versions with rectangular or circular fascias. The connectors are ruggedly made of glass filled thermoplastic for reliable operation up to 220°C sustained temperature.

The use of thermocouple compatible material eliminates measurement error due to the interconnection and the bright ISA colour coded body ensures clear identity of the type of thermocouple in use.

- Rugged construction
- In line or panel mounting connectors, single or multi-way
- Inexpensive
- PCB mounting available
- Duplex versions available
- Wide range of accessories available



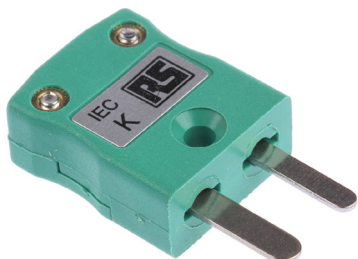
- Miniature and standard connectors
- Compensated connections ensure high accuracy
- Types K, J, T, E, N, R/S or Copper Copper
- Colour coding ensures clear identification (IEC, ANSI & JIS available)
- Compatible with all other makes of equivalent connectors
- Polarised connector pins guarantee correct polarity
- Withstand high temperature, 220°C continuous

MINIATURE THERMOCOUPLE CONNECTORS - PLUGS

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IEC Miniature Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9764
J	Iron	Copper Nickel		455-9714
T	Copper	Copper Nickel		455-9922
N	Nickel / Chromium / Silicon	Nickel Silicon		455-9843
R/S	Copper	Copper Alloy		455-9887
B	Copper	Copper		774-7181
E	Nickel Chromium	Copper Nickel		774-7185
Cu	Copper	Copper		455-9679

ANSI Miniature Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1101
J	Iron	Copper Nickel		769-1108
T	Copper	Copper Nickel		769-1117
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1105
R/S	Copper	Copper Alloy		769-1114
B	Copper	Copper		769-1094
E	Nickel Chromium	Copper Nickel		769-1098
Cu	Copper	Copper	-	-

JIS Miniature Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8770
J	Iron	Copper Nickel		771-8761
T	Copper	Copper Nickel		771-8777
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8773
B	Copper	Copper		771-8764
E	Nickel Chromium	Copper Nickel		771-8767
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - SOCKETS

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IEC Miniature Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9758
J	Iron	Copper Nickel		455-9708
T	Copper	Copper Nickel		455-9916
N	Nickel / Chromium / Silicon	Nickel Silicon		455-9821
R/S	Copper	Copper Alloy		455-9859
B	Copper	Copper		774-7194
E	Nickel Chromium	Copper Nickel		774-7197
Cu	Copper	Copper		455-9663

ANSI Miniature Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1127
J	Iron	Copper Nickel		769-1123
T	Copper	Copper Nickel		769-1133
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1136
R/S	Copper	Copper Alloy		769-1139
B	Copper	Copper		769-1111
E	Nickel Chromium	Copper Nickel		769-1120
Cu	Copper	Copper	-	-

JIS Miniature Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8792
J	Iron	Copper Nickel		771-8783
T	Copper	Copper Nickel		771-8799
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8795
B	Copper	Copper		771-8786
E	Nickel Chromium	Copper Nickel		771-8789
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - QUICK-WIRE PLUGS

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IEC Miniature Quick-wire Plugs



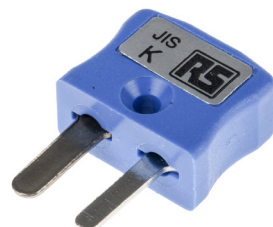
TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		381-7435
J	Iron	Copper Nickel		381-7413
T	Copper	Copper Nickel		381-7457
N	Nickel / Chromium / Silicon	Nickel Silicon		381-7485
R/S	Copper	Copper Alloy		381-7508
B	Copper	Copper		774-7191
E	Nickel Chromium	Copper Nickel		774-7201
Cu	Copper	Copper		381-7520

ANSI Miniature Quick-wire Plugs



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1158
J	Iron	Copper Nickel		769-1149
T	Copper	Copper Nickel		769-1164
R/S	Copper	Copper Alloy		769-1155
E	Nickel Chromium	Copper Nickel		769-1145
Cu	Copper	Copper	-	-

JIS Miniature Quick-wire Plugs



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8815
J	Iron	Copper Nickel		771-8806
T	Copper	Copper Nickel		771-8812
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8818
B	Copper	Copper		771-8809
E	Nickel Chromium	Copper Nickel		771-8802
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - QUICK-WIRE SOCKETS

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IEC Miniature Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		381-7441
J	Iron	Copper Nickel		381-7429
T	Copper	Copper Nickel		381-7463
N	Nickel / Chromium / Silicon	Nickel Silicon		381-7491
R/S	Copper	Copper Alloy		381-7514
B	Copper	Copper		774-7194
E	Nickel Chromium	Copper Nickel		774-7208
Cu	Copper	Copper		774-3763

ANSI Miniature Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1173
J	Iron	Copper Nickel		769-1170
R/S	Copper	Copper Alloy		769-1186
B	Copper	Copper		769-1167
E	Nickel Chromium	Copper Nickel		769-1161
Cu	Copper	Copper	-	-

JIS Miniature Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8837
J	Iron	Copper Nickel		771-8828
T	Copper	Copper Nickel		771-8834
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
B	Copper	Copper		771-8821
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - RECTANGULAR FASCIA SOCKET

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IEC Miniature Rectangular Fascia Socket



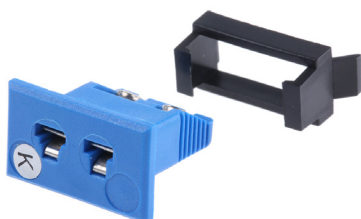
TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9742
J	Iron	Copper Nickel		455-9691
T	Copper	Copper Nickel		455-9900
N	Nickel / Chromium / Silicon	Nickel Silicon		455-9815
R/S	Copper	Copper Alloy		455-9871
B	Copper	Copper		774-7217
E	Nickel Chromium	Copper Nickel		774-7210
Cu	Copper	Copper		455-9657

ANSI Miniature Rectangular Fascia Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1199
J	Iron	Copper Nickel		769-1195
T	Copper	Copper Nickel		769-1206
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1209
R/S	Copper	Copper Alloy		769-1202
B	Copper	Copper		769-1183
Cu	Copper	Copper	-	-

JIS Miniature Rectangular Fascia Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8859
J	Iron	Copper Nickel		771-8840
T	Copper	Copper Nickel		771-8856
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
B	Copper	Copper		771-8843
E	Nickel Chromium	Copper Nickel		771-8846
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - PANEL MOUNT WITH STAINLESS STEEL BRACKET

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IEC Miniature Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9792
J	Iron	Copper Nickel		455-9720
T	Copper	Copper Nickel		455-9944
N	Nickel / Chromium / Silicon	Nickel Silicon		774-7226
R/S	Copper	Copper Alloy	-	-
B	Copper	Copper		774-7214
Cu	Copper	Copper		774-3767

ANSI Miniature Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1221
J	Iron	Copper Nickel		769-1212
T	Copper	Copper Nickel		769-1237
R/S	Copper	Copper Alloy		769-1228
Cu	Copper	Copper	-	-

JIS Miniature Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8871
J	Iron	Copper Nickel		771-8862
T	Copper	Copper Nickel		771-8878
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - QUICK-WIRE PANEL MOUNT WITH STAINLESS STEEL BRACKET

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IEC Miniature Quick-wire Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		774-7236
J	Iron	Copper Nickel		774-7232
T	Copper	Copper Nickel		774-7242
N	Nickel / Chromium / Silicon	Nickel Silicon		774-7245
Cu	Copper	Copper	-	-

JIS Miniature Quick-wire Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8871
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8896
B	Copper	Copper		771-8887
E	Nickel Chromium	Copper Nickel		771-8880
Cu	Copper	Copper	-	-

MINIATURE THERMOCOUPLE CONNECTORS - PCB SOCKET

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IEC Miniature PCB Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		381-7564
J	Iron	Copper Nickel		381-7558
T	Copper	Copper Nickel		381-7570
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy	-	-
Cu	Copper	Copper		611-8157

ANSI Miniature PCB Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1262
J	Iron	Copper Nickel		769-1268
T	Copper	Copper Nickel		769-1278
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1271
R/S	Copper	Copper Alloy		769-1274
E	Nickel Chromium	Copper Nickel		769-1265
Cu	Copper	Copper	-	-

JIS Miniature PCB Socket



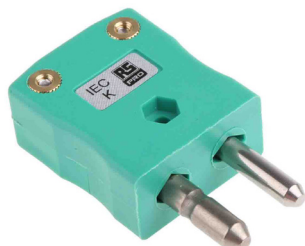
TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8916
J	Iron	Copper Nickel		771-8907
T	Copper	Copper Nickel		771-8913
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - PLUGS

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IEC Standard Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9988
J	Iron	Copper Nickel		455-9966
T	Copper	Copper Nickel		456-0051
N	Nickel / Chromium / Silicon	Nickel Silicon		456-0017
R/S	Copper	Copper Alloy		456-0039
B	Copper	Copper		774-7258
Cu	Copper	Copper		774-3776

ANSI Standard Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1293
J	Iron	Copper Nickel		769-1284
T	Copper	Copper Nickel		769-1300
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1296
R/S	Copper	Copper Alloy		769-1290
B	Copper	Copper		769-1287
E	Nickel Chromium	Copper Nickel		769-1280
Cu	Copper	Copper	-	-

JIS Standard Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8938
J	Iron	Copper Nickel		771-8929
T	Copper	Copper Nickel		771-8935
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8931
B	Copper	Copper		771-8922
E	Nickel Chromium	Copper Nickel		771-8925
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - SOCKETS

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IEC Standard Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		455-9972
J	Iron	Copper Nickel		455-9950
T	Copper	Copper Nickel		456-0045
N	Nickel / Chromium / Silicon	Nickel Silicon		456-0001
R/S	Copper	Copper Alloy		456-0023
E	Nickel Chromium	Copper Nickel		774-7264
Cu	Copper	Copper		774-3779

ANSI Standard Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1319
J	Iron	Copper Nickel		769-1316
T	Copper	Copper Nickel		769-1325
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1313
R/S	Copper	Copper Alloy		769-1322
B	Copper	Copper		769-1303
Cu	Copper	Copper	-	-

JIS Standard Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8950
J	Iron	Copper Nickel		771-8941
T	Copper	Copper Nickel		771-8957
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-8953
B	Copper	Copper		771-8944
E	Nickel Chromium	Copper Nickel		771-8947
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - QUICK-WIRE PLUGS

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IEC Standard Quick-wire Plugs



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		362-9991
J	Iron	Copper Nickel		362-9963
T	Copper	Copper Nickel		363-0014
N	Nickel / Chromium / Silicon	Nickel Silicon		363-0036
R/S	Copper	Copper Alloy		363-0058
E	Nickel Chromium	Copper Nickel		774-7276
Cu	Copper	Copper		774-3776

ANSI Standard Quick-wire Plugs



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1335
J	Iron	Copper Nickel		769-1331
T	Copper	Copper Nickel		769-1341
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1344
R/S	Copper	Copper Alloy		769-1347
Cu	Copper	Copper	-	-

JIS Standard Quick-wire Plugs



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8972
J	Iron	Copper Nickel		771-8963
T	Copper	Copper Nickel		771-8979
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
B	Copper	Copper		771-8966
E	Nickel Chromium	Copper Nickel		771-8969
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - QUICK-WIRE SOCKETS

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IEC Standard Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		363-0008
J	Iron	Copper Nickel		362-9979
T	Copper	Copper Nickel		363-0020
N	Nickel / Chromium / Silicon	Nickel Silicon		363-0042
R/S	Copper	Copper Alloy		363-0064

ANSI Standard Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1366
J	Iron	Copper Nickel		769-1357
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1369
R/S	Copper	Copper Alloy		769-1363
Cu	Copper	Copper	-	-

JIS Standard Quick-wire Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-8994
J	Iron	Copper Nickel		771-8985
T	Copper	Copper Nickel		771-8991
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
E	Nickel Chromium	Copper Nickel		771-8981
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - FASCIA SOCKETS

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IEC Standard Fascia Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		219-4949
J	Iron	Copper Nickel		219-5009
T	Copper	Copper Nickel		219-4977
N	Nickel / Chromium / Silicon	Nickel Silicon		236-4053
R/S	Copper	Copper Alloy		219-5037
E	Nickel Chromium	Copper Nickel		774-7286

ANSI Standard Fascia Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1381
J	Iron	Copper Nickel		769-1388
T	Copper	Copper Nickel		769-1397
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1385
R/S	Copper	Copper Alloy		769-1394
Cu	Copper	Copper	-	-

JIS Standard Fascia Sockets



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-9010
J	Iron	Copper Nickel		771-9001
T	Copper	Copper Nickel		771-9017
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
R/S	Copper	Copper Alloy		771-9013
B	Copper	Copper		771-9004
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - PANEL MOUNT WITH STAINLESS STEEL BRACKET

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IEC Standard Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		456-0102
J	Iron	Copper Nickel		456-0089
T	Copper	Copper Nickel		774-7321
N	Nickel / Chromium / Silicon	Nickel Silicon		774-7292
R/S	Copper	Copper Alloy		774-7302
Cu	Copper	Copper	-	-

ANSI Standard Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1408
J	Iron	Copper Nickel		769-1404
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - QUICK-WIRE PANEL MOUNT WITH STAINLESS STEEL BRACKET

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IEC Standard Quick-wire Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		774-7315
J	Iron	Copper Nickel		774-7311
T	Copper	Copper Nickel		774-7321
N	Nickel / Chromium / Silicon	Nickel Silicon		774-7324
B	Copper	Copper		774-7309
Cu	Copper	Copper	-	-

ANSI Standard Quick-wire Panel Mount with Stainless Steel Bracket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1439
J	Iron	Copper Nickel		769-1420
Cu	Copper	Copper	-	-

JIS Standard Quick-wire Panel Mount with Stainless Steel Bracket



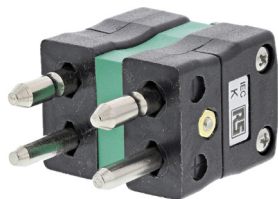
TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
J	Iron	Copper Nickel		771-9045
T	Copper	Copper Nickel		771-9051
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - DUPLEX PLUG

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IEC Standard Duplex Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		236-4069
J	Iron	Copper Nickel		236-4081

ANSI Standard Duplex Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1454
J	Iron	Copper Nickel		769-1451
T	Copper	Copper Nickel		769-1460
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1458
R/S	Copper	Copper Alloy		769-1467
E	Nickel Chromium	Copper Nickel		769-1442
Cu	Copper	Copper	-	-

JIS Standard Duplex Plug



TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-9076
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
B	Copper	Copper		771-9060
Cu	Copper	Copper	-	-

STANDARD THERMOCOUPLE CONNECTORS - DUPLEX SOCKET

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IEC Standard Duplex Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	IEC COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		236-4075
N	Nickel / Chromium / Silicon	Nickel Silicon		774-7368
B	Copper	Copper		774-7355

ANSI Standard Duplex Socket



TYPE	‘+’ CONTACT	‘-’ CONTACT	ANSI COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		769-1470
T	Copper	Copper Nickel		769-1486
N	Nickel / Chromium / Silicon	Nickel Silicon		769-1489
B	Copper	Copper		769-1464
E	Nickel Chromium	Copper Nickel		769-1473
Cu	Copper	Copper	-	-

JIS Standard Duplex Socket



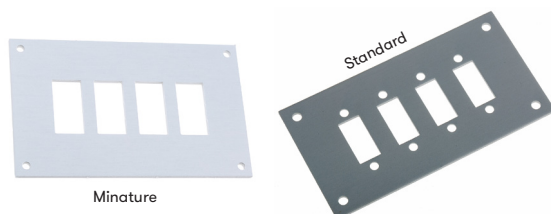
TYPE	‘+’ CONTACT	‘-’ CONTACT	JIS COLOUR CODE	STOCK NO
K	Nickel Chromium	Nickel Alloy		771-9098
J	Iron	Copper Nickel		771-9089
N	Nickel / Chromium / Silicon	Nickel Silicon	-	-
E	Nickel Chromium	Copper Nickel		771-9085
Cu	Copper	Copper	-	-

ACCESSORIES FOR THERMOCOUPLE CONNECTORS

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Miniature/Standard for Fascia Sockets Panel



TO SUIT	STYLE	2 WAY	4 WAY	6 WAY
Miniature	FF	397-1674	397-1703	236-4132
Standard	FF	397-1731	397-1769	236-4154
Miniature	SSPF	611-8191	611-8214	611-8208
Standard	SSPF	611-8236	611-8258	611-8270

Strain Relief Grommet



TO SUIT	PACK SIZE	2 WAY
Miniature or Standard	25	666-7365

Cable Clamps



TO SUIT	2 WAY
Miniature	236-4104
Standard	236-4110
Duplex	313-9987

COLOUR CODES FOR THERMOCOUPLE EXTENSION & COMPENSATING WIRES/CABLES

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Type	CONDUCTORS +/-	FORMER STANDARD			IEC 60584-3(2007) BS ENG60584-3(2008)	CABLE CODE
		BRITISH BS1843:1952	AMERICAN ANSI/MC 96.1	GERMAN DIN 43713/43714		
EX	Nickel chromium/Constantan (Nickel, Chromium/Copper Nickel, Chromel/Constantan, T1/Advance, NiCr/Constantan)					EX
J	Iron*/Contantan (Iron/Copper Nickel, Fe/Konst Iron/Advance, Fe/Constantan I/C)					JX
K	Nickel Chromium/Nickel Aluminium* (NC/NA, Chromel/Alumel, C/A, T1/T2, NiCr/Ni, NiCr/NiAl)					KX
N	Nicrosil/Nisil					NX NC
T	Copper/Constantan (Copper/Copper Nickel, Cu/Con, Copper/Advance)					TX
Vx	Copper/Constantan (Low nickel) (Cu/Constantan) Compensating for K (Cu/Constantan)					KCB
U	Copper/Copper Nickel Compensating for Platinum 10% or 13% Rhodium/Platinum (Codes S & R respectively) Copper/Cupronic Cu/CuNi, Copper/No. 11 alloy)					RCA SCA

*Magnetic For Thermocouple connectors body colours are similar to outer sheath colours

THERMOCOUPLE COLOUR CODES FOR CONNECTOR BODIES

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Type	J	K	T	E	N	R/S	B	Cu (Copper)
IEC								
ANSI								
JIS								

All connectors use true thermocouple alloys for optimum accuracy, except for types R, S & B which use compensating alloys.