

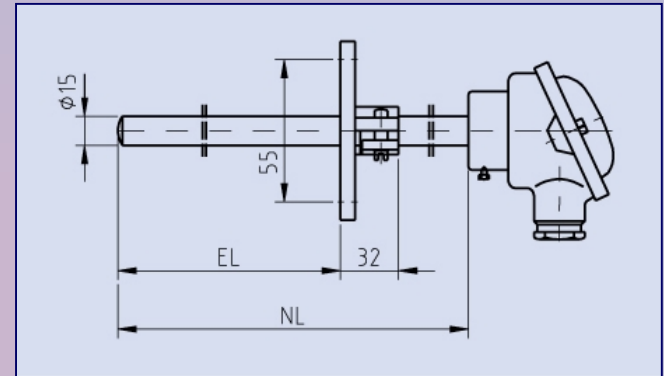
## Thermocouples (with 1 or 2 thermocouples)

# Thermocouples

L (Fe-CuNi), J (Fe-CuNi), K (NiCr-Ni), S (PtRh 10-Pt), N (NiCrSi-NiSi)  
 DIN 43 710, DIN IEC 584, DIN IEC 584, DIN IEC 584, DIN IEC 584 acc. to order

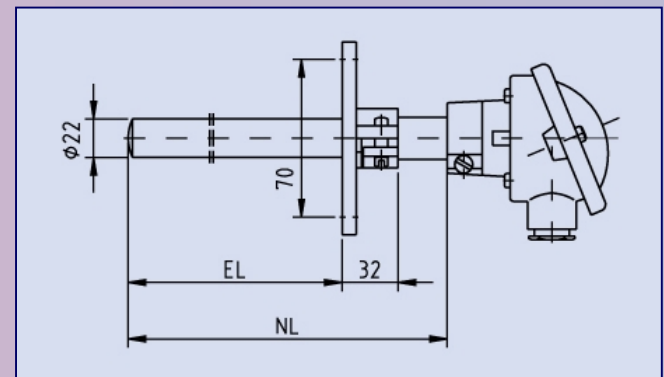
### Plug-in thermocouples acc. to DIN 43 733, form BM, with connection head acc. to DIN 43 729, form B 15

| protective tube               | material-no. | nominal length              |          |
|-------------------------------|--------------|-----------------------------|----------|
|                               |              | built-in length<br>EL in mm | NL in mm |
| steel St 35.8                 | 1.0305       | 100 ... 210                 | 250      |
| thermocouple Fe-CuNi "L", "J" |              | 100 ... 460                 | 500      |
| steel X 10 CrAl 24            | 1.4762       | 100 ... 210                 | 250      |
| thermocouple NiCr-Ni "K"      |              | 100 ... 460                 | 500      |



### Plug-in thermocouples acc. to DIN 43 733, form AM, with connection head acc. to DIN 43 729, form A 22

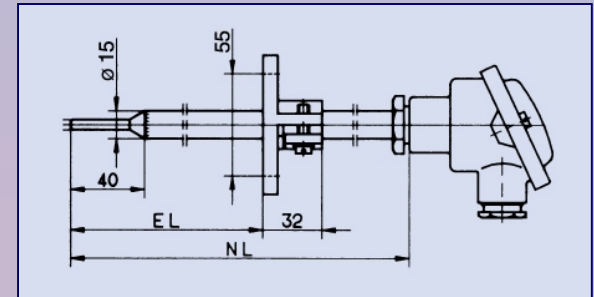
| protective tube               | material-no. | nominal length              |          |
|-------------------------------|--------------|-----------------------------|----------|
|                               |              | built-in length<br>EL in mm | NL in mm |
| steel St 35.8                 | 1.0305       | 100 ... 460                 | 500      |
| thermocouple Fe-CuNi "L", "J" |              | 100 ... 670                 | 710      |
|                               |              | 100 ... 960                 | 1000     |
| steel X 10 CrAl 24            | 1.4762       | 100 ... 460                 | 500      |
| thermocouple NiCr-Ni "K"      |              | 100 ... 670                 | 710      |
|                               |              | 100 ... 960                 | 1000     |
|                               |              | 100 ... 1360                | 1400     |
|                               |              | 100 ... 1960                | 2000     |



# Thermocouples

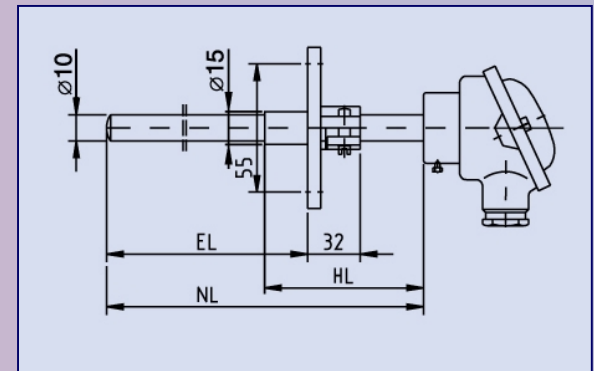
## Plug-in thermocouples with movable flange and connection head acc. to DIN 43 729, form B M 24 x 1.5

| protective tube                      | material-no. | built-in length |  | nominal length |
|--------------------------------------|--------------|-----------------|--|----------------|
|                                      |              | EL in mm        |  | NL in mm       |
| stainless steel X 6 CrNiMoTi 17 12 2 | 1.4571       | 50 ... 460      |  | 500            |
| thermocouple Fe-CuNi "L", "J"        |              | 50 ... 670      |  | 710            |
| thermocouple NiCr-Ni "K"             |              | 50 ... 960      |  | 1000           |



## Plug-in thermocouples acc. to DIN 43 733, form BK, with connection head acc. to DIN 43 729, form B 15

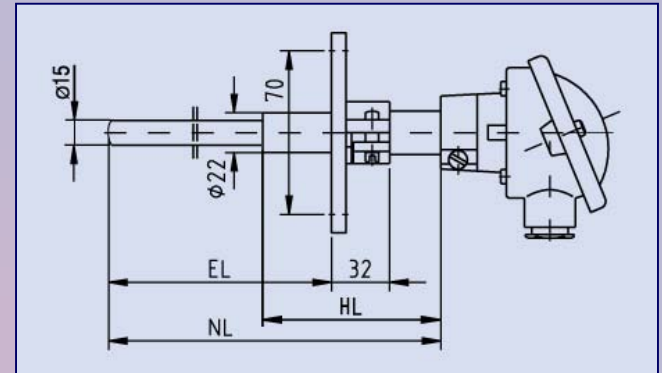
| protective tube            | flange | HL     | built-in length |  | nominal length |
|----------------------------|--------|--------|-----------------|--|----------------|
|                            |        |        | EL in mm        |  | NL in mm       |
| ceramic KER 710            | Ø 15   | NL 200 | 100 ... 140     |  | 180            |
| thermocouple Pt10Rh-Pt "S" | Ø 15   |        | 100 ... 210     |  | 250            |
|                            |        |        | 100 ... 315     |  | 355            |
|                            |        |        | 100 ... 460     |  | 500            |



# Thermocouples

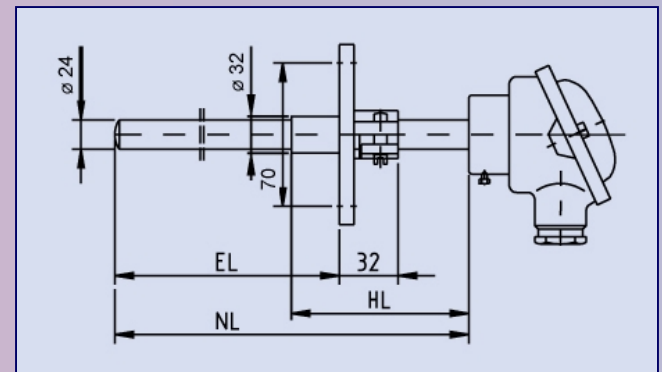
## Plug-in thermocouples acc. to DIN 43 733, form AK, with connection head acc. to DIN 43 729, form A 22

| protective tube  | flange | built-in length<br>EL in mm | nominal length<br>NL in mm |
|--|--------|-----------------------------|----------------------------|
| ceramic KER 610<br>thermocouple NiCr-Ni "K"                                    | Ø 22   | 100 ... 460                 | 500                        |
|  |        | 100 ... 670                 | 710                        |
|  |        | 100 ... 960                 | 1000                       |
| Keramik KER 710<br>thermocouple Pt30Rh-Pt6Rh "B"<br>thermocouple Pt10Rh-Pt "S" | Ø 22   | 100 ... 460                 | 500                        |
|  |        | 100 ... 670                 | 710                        |
|  |        | 100 ... 960                 | 1000                       |



## Plug-in thermocouples acc. to DIN 43 733, form AK, with connection head acc. to DIN 43 729, form A 32

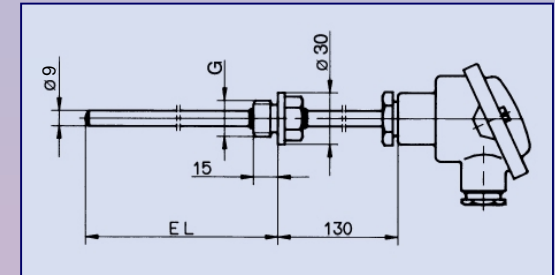
| protective tube                               | flange | built-in length<br>EL in mm | nominal length<br>NL in mm |
|---|--------|-----------------------------|----------------------------|
| ceramic KER 610<br>thermocouple NiCr-Ni "K"   | Ø 32   | 100 ... 460                 | 500                        |
|   |        | 100 ... 670                 | 710                        |
|   |        | 100 ... 960                 | 1000                       |
|   |        | 100 ... 1360                | 1400                       |
| Keramik KER 710<br>thermocouple Pt10Rh-Pt "S" | Ø 32   | 100 ... 460                 | 500                        |
|   |        | 100 ... 670                 | 710                        |
|   |        | 100 ... 960                 | 1000                       |



# Thermocouples

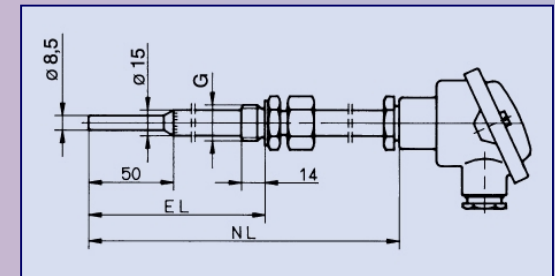
## Screw-in thermocouples acc. to DIN 43 765, form B, with connection head acc. to DIN 43 729, form B M 24 x 1.5

| protective tube   | material-no. | thread                              |
|---|--------------|-------------------------------------|
| stainless steel X 6 CrNiMoTi 17 12 2<br>thermocouple Fe-CuNi "L", "J"<br>thermocouple NiCr-Ni "K"<br>thermocouple NiCrSi-NiSi "N" | 1.4571       | G $\frac{1}{2}$ "A<br>acc. to order |



## Screw-in thermocouples with clamp connection and connection head acc. to DIN 43 729, form B M 24 x 1.5

| protective tube   | material-no. | thread                              | nominal length<br>NL in mm |
|---|--------------|-------------------------------------|----------------------------|
| stainless steel X 6 CrNiMoTi 17 12 2<br>thermocouple Fe-CuNi "L", "J"<br>thermocouple NiCr-Ni "K" | 1.4571       | G $\frac{1}{2}$ "A<br>acc. to order | 710                        |



## Screw-in thermocouples with exchangeable measuring insert and connection head form J

| protective tube   | material-no. | built-in length<br>EL in mm          | thread<br>acc. to order  |
|---|--------------|--------------------------------------|--|
| stainless steel X 6 CrNiMoTi 17 12 2<br>thermocouple Fe-CuNi "L", "J"<br>thermocouple NiCr-Ni "K" | 1.4571       | 50<br>100<br>150<br>250<br>50<br>100 | G $\frac{1}{2}$ "<br>G $\frac{1}{2}$ "<br>G $\frac{1}{2}$ "<br>G $\frac{1}{2}$ "<br>G $\frac{3}{8}$ "<br>G $\frac{3}{8}$ " |

