Symbol	Typ	Titel
H	**Sektion**	**SECTION H — ELECTRICITY**
H01	**Klasse**	**BASIC ELECTRIC ELEMENTS**
H01C	**Unterklasse**	**RESISTORS**
H01C 1/00	**Hauptgruppe**	**Details**
H01C 1/01	1-Punkt Untergruppe	. Mounting; Supporting [2]
H01C 1/012	2-Punkt Untergruppe	. . the base extending along, and imparting rigidity or reinforcement to, the resistive element (H01C 1/016 takes precedence; the resistive element being formed in two or more coils or loops as a spiral, helical, or toroidal winding H01C 3/18, H01C 3/20; the resistive element being formed as one or more layers or coatings on a base H01C 7/00) [2]
H01C 1/014	2-Punkt Untergruppe	. . the resistor being suspended between, and being supported by, two supporting sections (H01C 1/016 takes precedence) [2]
H01C 1/016	2-Punkt Untergruppe	. . with compensation for resistor expansion or contraction [2]
H01C 1/02	1-Punkt Untergruppe	. Housing; Enclosing; Embedding; Filling the housing or enclosure [2]
H01C 1/022	2-Punkt Untergruppe	. . the housing or enclosure being openable or separable from the resistive element [2]
H01C 1/024	2-Punkt Untergruppe	. . the housing or enclosure being hermetically sealed (H01C 1/028, H01C 1/032, H01C 1/034 take precedence) [2]
H01C 1/026	3-Punkt Untergruppe	. . . with gaseous or vacuum spacing between the resistive element and the housing or casing [2]
H01C 1/028	2-Punkt Untergruppe	. . the resistive element being embedded in insulation with outer enclosing sheath [2]
H01C 1/03	3-Punkt Untergruppe	. . . with powdered insulation [2]
H01C 1/032	2-Punkt Untergruppe	. . plural layers surrounding the resistive element (H01C 1/028 takes precedence) [2]
H01C 1/034	2-Punkt Untergruppe	. . the housing or enclosure being formed as coating or mould without outer sheath (H01C 1/032 takes precedence) [2]
H01C 1/036	3-Punkt Untergruppe	. . . on wound resistive element [2]
H01C 1/04	1-Punkt Untergruppe	. Arrangements of distinguishing marks, e.g. colour coding
H01C 1/06	1-Punkt Untergruppe	. Electrostatic or electromagnetic shielding arrangements
H01C 1/08	1-Punkt Untergruppe	. Cooling, heating, or ventilating arrangements
H01C 1/082	2-Punkt Untergruppe	. . using forced fluid flow [2]
H01C 1/084	2-Punkt Untergruppe	. . using self-cooling, e.g. fins, heat sinks [2]
H01C 1/12	1-Punkt Untergruppe	. Arrangements of current collectors
H01C 1/125	2-Punkt Untergruppe	. . of fluid contacts [2]
H01C 1/14	1-Punkt Untergruppe	. Terminals or tapping points specially adapted for resistors (in general H01R); Arrangements of terminals or tapping points on resistors
H01C 1/142	2-Punkt Untergruppe	. . the terminals or tapping points being coated on the resistive element [2]
H01C 1/144	2-Punkt Untergruppe	. . the terminals or tapping points being welded or soldered [2]
H01C 1/146	2-Punkt Untergruppe	. . the resistive element surrounding the terminal [2]
H01C 1/148	2-Punkt Untergruppe	. . the terminals embracing or surrounding the resistive element (H01C 1/142 takes precedence) [2]

Symbol	Typ	Titel
H01C 1/16	1-Punkt Untergruppe	. Resistor networks not otherwise provided for
H01C 3/00	**Hauptgruppe**	**Non-adjustable metal resistors made of wire or ribbon, e.g. coiled, woven, or formed as grids**
H01C 3/02	1-Punkt Untergruppe	. arranged or constructed for reducing self-induction, capacitance, or variation with frequency
H01C 3/04	1-Punkt Untergruppe	. Iron-filament ballast resistors; Other resistors having variable temperature coefficient
H01C 3/06	1-Punkt Untergruppe	. Flexible or folding resistors, whereby such a resistor can be looped or collapsed upon itself [2]
H01C 3/08	1-Punkt Untergruppe	. Dimension or characteristic of resistive element changing gradually or in discrete steps from one terminal to another [2]
H01C 3/10	1-Punkt Untergruppe	. the resistive element having zig-zag or sinusoidal configuration [2]
H01C 3/12	2-Punkt Untergruppe	. . lying in one plane [2]
H01C 3/14	1-Punkt Untergruppe	. the resistive element being formed in two or more coils or loops continuously wound as a spiral, helical, or toroidal winding (H01C 3/02-H01C 3/12 take precedence) [2]
H01C 3/16	2-Punkt Untergruppe	. . including two or more distinct wound elements, or two or more winding patterns [2]
H01C 3/18	2-Punkt Untergruppe	. . wound on a flat or ribbon base (H01C 3/16 takes precedence) [2]
H01C 3/20	2-Punkt Untergruppe	. . wound on cylindrical or prismatic base (H01C 3/16 takes precedence) [2]
H01C 7/00	**Hauptgruppe**	**Non-adjustable resistors formed as one or more layers or coatings; Non-adjustable resistors made from powdered conducting material or powdered semi-conducting material with or without insulating material (consisting of loose powdered or granular material H01C 8/00; resistors with a potential-jump barrier or surface barrier, e.g. field effect resistors, H01L 29/00; semiconductor devices sensitive to electromagnetic or corpuscular radiation, e.g. photoresistors, H01L 31/00; devices using superconductivity or hyperconductivity H01L 39/00; devices using galvano-magnetic or similar magnetic effects, e.g. magnetic-field-controlled resistors, H01L 43/00; solid state devices for rectifying, amplifying, oscillating, or switching without a potential-jump barrier or surface barrier H01L 45/00; bulk negative resistance effect devices H01L 47/00) [2]**
H01C 7/02	1-Punkt Untergruppe	. having positive temperature coefficient
H01C 7/04	1-Punkt Untergruppe	. having negative temperature coefficient
H01C 7/06	1-Punkt Untergruppe	. including means to minimise changes in resistance with changes in temperature
H01C 7/10	1-Punkt Untergruppe	. voltage responsive, i.e. varistors [6]
H01C 7/102	2-Punkt Untergruppe	. . Varistor boundary, e.g. surface layers (H01C 7/12 takes precedence) [6]
H01C 7/105	2-Punkt Untergruppe	. . Varistor cores (H01C 7/12 takes precedence) [6]
H01C 7/108	3-Punkt Untergruppe	. . . Metal oxide [6]
H01C 7/112	4-Punkt Untergruppe	. . . . ZnO type [6]
H01C 7/115	4-Punkt Untergruppe	. . . . Titanium dioxide- or titanate type [6]
H01C 7/118	3-Punkt Untergruppe	. . . Carbide, e.g. SiC type [6]
H01C 7/12	2-Punkt Untergruppe	. . Overvoltage protection resistors; Arresters [3]
H01C 7/13	1-Punkt Untergruppe	. current-responsive [2]
H01C 7/18	1-Punkt Untergruppe	. comprising a plurality of layers stacked between terminals [2]
H01C 7/20	1-Punkt Untergruppe	. the resistive layer or coating being tapered [2]
H01C 7/22	1-Punkt Untergruppe	. Elongated resistive element being bent or curved, e.g. sinusoidal, helical [2]

Symbol	Typ	Titel
H01C 8/00	**Hauptgruppe**	**Non-adjustable resistors consisting of loose powdered or granular conducting, or powdered or granular semi-conducting material [2]**
H01C 8/02	1-Punkt Untergruppe	. Coherers or like imperfect resistors for detecting electromagnetic waves [2]
H01C 8/04	1-Punkt Untergruppe	. Overvoltage protection resistors; Arresters [2, 3]
H01C 10/00	**Hauptgruppe**	**Adjustable resistors [2]**
H01C 10/02	1-Punkt Untergruppe	. Liquid resistors [2]
H01C 10/04	1-Punkt Untergruppe	. with specified mathematical relationship between movement of resistor actuating means and value of resistance, other than direct proportional relationship [2]
H01C 10/06	1-Punkt Untergruppe	. adjustable by short-circuiting different amounts of the resistive element [2]
H01C 10/08	2-Punkt Untergruppe	. . with intervening conducting structure between the resistive element and the short-circuiting means, e.g. taps [2]
H01C 10/10	1-Punkt Untergruppe	. adjustable by mechanical pressure or force [2]
H01C 10/12	2-Punkt Untergruppe	. . by changing surface pressure between resistive masses or resistive and conductive masses, e.g. pile type [2]
H01C 10/14	1-Punkt Untergruppe	. adjustable by auxiliary driving means [2]
H01C 10/16	1-Punkt Untergruppe	. including plural resistive elements [2]
H01C 10/18	2-Punkt Untergruppe	. . including coarse and fine resistive elements [2]
H01C 10/20	2-Punkt Untergruppe	. . Contact structure or movable resistive elements being ganged [2]
H01C 10/22	1-Punkt Untergruppe	. resistive-element dimensions changing gradually in one direction, e.g. tapered resistive element (H01C 10/04 takes precedence) [2]
H01C 10/23	1-Punkt Untergruppe	. resistive-element dimensions changing in a series of discrete, progressive steps [2]
H01C 10/24	1-Punkt Untergruppe	. the contact moving along turns of a helical resistive element, or vice versa [2]
H01C 10/26	1-Punkt Untergruppe	. resistive element moving (H01C 10/16, H01C 10/24 take precedence) [2]
H01C 10/28	1-Punkt Untergruppe	. the contact rocking or rolling along resistive element or taps [2]
H01C 10/30	1-Punkt Untergruppe	. the contact sliding along resistive element [2]
H01C 10/32	2-Punkt Untergruppe	. . the contact moving in an arcuate path [2]
H01C 10/34	3-Punkt Untergruppe	. . . the contact or the associated conducting structure riding on collector formed as a ring or portion thereof [2]
H01C 10/36	3-Punkt Untergruppe	. . . structurally combined with switching arrangements [2]
H01C 10/38	2-Punkt Untergruppe	. . the contact moving along a straight path [2]
H01C 10/40	3-Punkt Untergruppe	. . . screw-operated [2]
H01C 10/42	4-Punkt Untergruppe	. . . . the contact bridging and sliding along resistive element and parallel conducting bar or collector [2]
H01C 10/44	3-Punkt Untergruppe	. . . the contact bridging and sliding along resistive element and parallel conducting bar or collector (H01C 10/42 takes precedence) [2]
H01C 10/46	1-Punkt Untergruppe	. Arrangements of fixed resistors with intervening connectors, e.g. taps (H01C 10/28, H01C 10/30 take precedence) [2]

Symbol	Typ	Titel
H01C 10/48	2-Punkt Untergruppe	. . including contact movable in an arcuate path [2]
H01C 10/50	1-Punkt Untergruppe	. structurally combined with switching arrangement (H01C 10/36 takes precedence) [2]
H01C 11/00	**Hauptgruppe**	**Non-adjustable liquid resistors [2]**
H01C 13/00	**Hauptgruppe**	**Resistors not provided for elsewhere**
H01C 13/02	1-Punkt Untergruppe	. Structural combinations of resistors (impedance networks H03H) [2]
H01C 17/00	**Hauptgruppe**	**Apparatus or processes specially adapted for manufacturing resistors (providing fillings for housings or enclosures H01C 1/02; reducing insulation surrounding a resistor to powder H01C 1/03; manufacture of thermally variable resistors H01C 7/02, H01C 7/04) [2]**
H01C 17/02	1-Punkt Untergruppe	. adapted for manufacturing resistors with envelope or housing (apparatus or processes for filling or compressing insulating material in heating element tubes H05B 3/52) [2]
H01C 17/04	1-Punkt Untergruppe	. adapted for winding the resistive element [2]
H01C 17/06	1-Punkt Untergruppe	. adapted for coating resistive material on a base [2]
H01C 17/065	2-Punkt Untergruppe	. . by thick-film techniques, e.g. serigraphy [6]
H01C 17/07	2-Punkt Untergruppe	. . by resistor foil bonding, e.g. cladding [6]
H01C 17/075	2-Punkt Untergruppe	. . by thin-film techniques [6]
H01C 17/08	3-Punkt Untergruppe	. . . by vapour deposition [2]
H01C 17/10	3-Punkt Untergruppe	. . . by flame spraying [2]
H01C 17/12	3-Punkt Untergruppe	. . . by sputtering [2]
H01C 17/14	3-Punkt Untergruppe	. . . by chemical deposition [2]
H01C 17/16	4-Punkt Untergruppe	. . . . using electric current [2]
H01C 17/18	4-Punkt Untergruppe	. . . . without using electric current [2]
H01C 17/20	2-Punkt Untergruppe	. . by pyrolytic processes [2]
H01C 17/22	1-Punkt Untergruppe	. adapted for trimming [2]
H01C 17/23	2-Punkt Untergruppe	. . by opening or closing resistor tracks of predetermined resistive values [6]
H01C 17/232	2-Punkt Untergruppe	. . Adjusting the temperature coefficient; Adjusting value of resistance by adjusting temperature coefficient [6]
H01C 17/235	2-Punkt Untergruppe	. . Initial adjustment of potentiometer parts for calibration [6]
H01C 17/24	2-Punkt Untergruppe	. . by removing or adding resistive material (H01C 17/23, H01C 17/232, H01C 17/235 take precedence) [2, 6]
H01C 17/242	3-Punkt Untergruppe	. . . by laser [6]
H01C 17/245	3-Punkt Untergruppe	. . . by mechanical means, e.g. sand-blasting, cutting, ultrasonic treatment [6]
H01C 17/26	2-Punkt Untergruppe	. . by converting resistive material [2]
H01C 17/28	1-Punkt Untergruppe	. adapted for applying terminals [2]
H01C 17/30	1-Punkt Untergruppe	. adapted for baking [2]