Symbol	Typ	Titel
H	**Sektion**	**SECTION H — ELECTRICITY**
H01	**Klasse**	**BASIC ELECTRIC ELEMENTS**
H01H	**Unterklasse**	**ELECTRIC SWITCHES; RELAYS; SELECTORS; EMERGENCY PROTECTIVE DEVICES (contact cables H01B 7/10; overvoltage protection resistors, resistive arresters H01C 7/12, H01C 8/04; electrolytic self-interrupters H01G 9/18; switching devices of the waveguide type H01P; devices for interrupted current collection H01R 39/00; overvoltage arresters using spark gaps H01T 4/00; emergency protective circuit arrangements H02H; switching by electronic means without contact-making H03K 17/00)**
		Electric switches
H01H 1/00	**Hauptgruppe**	**Contacts (liquid contacts H01H 29/04)**
H01H 1/02	1-Punkt Untergruppe	. characterised by the material thereof
H01H 1/021	*2-Punkt Untergruppe*	*. . Composite material [2006.01]*
H01H 1/023	*3-Punkt Untergruppe*	*. . . having a noble metal as the basic material [2006.01]*
H01H 1/0233	*4-Punkt Untergruppe*	*. . . . and containing carbides [2006.01]*
H01H 1/0237	*4-Punkt Untergruppe*	*. . . . and containing oxides [2006.01]*
H01H 1/025	*3-Punkt Untergruppe*	*. . . having copper as the basic material [2006.01]*
H01H 1/027	*3-Punkt Untergruppe*	*. . . containing carbon particles or fibres [2006.01]*
H01H 1/029	*3-Punkt Untergruppe*	*. . . comprising conducting material dispersed in an elastic support or binding material [2006.01]*
H01H 1/04	2-Punkt Untergruppe	. . Co-operating contacts of different material
H01H 1/06	1-Punkt Untergruppe	. characterised by the shape or structure of the contact-making surface, e.g. grooved
H01H 1/08	2-Punkt Untergruppe	. . wetted with mercury
H01H 1/10	2-Punkt Untergruppe	. . Laminated contacts with divided contact surface
H01H 1/12	1-Punkt Untergruppe	. characterised by the manner in which co-operating contacts engage
H01H 1/14	2-Punkt Untergruppe	. . by abutting
H01H 1/16	3-Punkt Untergruppe	. . . by rolling; by wrapping; Roller or ball contacts
H01H 1/18	3-Punkt Untergruppe	. . . with subsequent sliding
H01H 1/20	3-Punkt Untergruppe	. . . Bridging contacts
H01H 1/22	3-Punkt Untergruppe	. . . with rigid pivoted member carrying the moving contact
H01H 1/24	3-Punkt Untergruppe	. . . with resilient mounting
H01H 1/26	4-Punkt Untergruppe	. . . . with spring blade support
H01H 1/28	5-Punkt Untergruppe	. . . . . Assembly of three or more contact-supporting spring blades
H01H 1/30	4-Punkt Untergruppe	. . . . within supporting guides
H01H 1/32	3-Punkt Untergruppe	. . . Self-aligning contacts
H01H 1/34	3-Punkt Untergruppe	. . . with provision for adjusting position of contact relative to its co-operating contact

Symbol	Typ	Titel
H01H 1/36	2-Punkt Untergruppe	. . by sliding (by rolling or wrapping H01H 1/16)
H01H 1/38	3-Punkt Untergruppe	. . . Plug-and-socket contacts
H01H 1/40	3-Punkt Untergruppe	. . . Contact mounted so that its contact-making surface is flush with adjoining insulation
H01H 1/42	3-Punkt Untergruppe	. . . Knife-and-clip contacts
H01H 1/44	3-Punkt Untergruppe	. . . with resilient mounting
H01H 1/46	3-Punkt Untergruppe	. . . self-aligning contacts
H01H 1/48	3-Punkt Untergruppe	. . . with provision for adjusting position of contact relative to its co-operating contact
H01H 1/50	1-Punkt Untergruppe	. Means for increasing contact pressure, preventing vibration of contacts, holding contacts together after engagement, or biasing contacts to the open position
H01H 1/52	2-Punkt Untergruppe	. . Contacts adapted to act as latches
H01H 1/54	2-Punkt Untergruppe	. . by magnetic force
H01H 1/56	1-Punkt Untergruppe	. Contact arrangements for providing make-before-break operation, e.g. for on-load tap-changing
H01H 1/58	1-Punkt Untergruppe	. Electric connections to or between contacts; Terminals (electric connections in general H01R)
H01H 1/60	1-Punkt Untergruppe	. Auxiliary means structurally associated with the switch for cleaning or lubricating contact-making surfaces (cleaning by normal sliding of contacts H01H 1/18, H01H 1/36)
H01H 1/62	1-Punkt Untergruppe	. Heating or cooling of contacts
H01H 1/64	1-Punkt Untergruppe	. Protective enclosures, baffle plates, or screens for contacts (for arc-extinguishing H01H 9/30; for mercury contacts H01H 29/04)
H01H 1/66	2-Punkt Untergruppe	. . Contacts sealed in an evacuated or gas-filled envelope, e.g. magnetic dry-reed contacts
H01H 3/00	**Hauptgruppe**	**Mechanisms for operating contacts (snap-action arrangements H01H 5/00; devices for introducing a predetermined time delay H01H 7/00; thermal actuating or release means H01H 37/02)**
H01H 3/02	1-Punkt Untergruppe	. Operating parts, i.e. for operating driving mechanism by a mechanical force external to the switch
H01H 3/04	2-Punkt Untergruppe	. . Levers (tumblers H01H 23/14)
H01H 3/06	3-Punkt Untergruppe	. . . Means for securing to shaft of driving mechanism
H01H 3/08	2-Punkt Untergruppe	. . Turn knobs
H01H 3/10	3-Punkt Untergruppe	. . . Means for securing to shaft of driving mechanism
H01H 3/12	2-Punkt Untergruppe	. . Push-buttons
H01H 3/14	2-Punkt Untergruppe	. . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 3/16	2-Punkt Untergruppe	. . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. for a door switch, a limit switch, a floor-levelling switch of a lift
H01H 3/18	3-Punkt Untergruppe	. . . the movement in one direction being intentionally by hand, e.g. for setting automatically cancelled trafficators
H01H 3/20	2-Punkt Untergruppe	. . wherein an auxiliary movement thereof, or of an attachment thereto, is necessary before the main movement is possible or effective, e.g. for unlatching, for coupling
H01H 3/22	1-Punkt Untergruppe	. Power arrangements internal to the switch for operating the driving mechanism

Symbol	Typ	Titel
H01H 3/24	2-Punkt Untergruppe	. . using pneumatic or hydraulic actuator
H01H 3/26	2-Punkt Untergruppe	. . using dynamo-electric motor (for storing energy in a spring motor H01H 3/30)
H01H 3/28	2-Punkt Untergruppe	. . using electromagnet (for storing energy in a spring motor H01H 3/30; for operating relays H01H 45/00)
H01H 3/30	2-Punkt Untergruppe	. . using spring motor
H01H 3/32	1-Punkt Untergruppe	. Driving mechanisms, i.e. for transmitting driving force to the contacts (snap-action arrangements H01H 5/00 ; introducing a predetermined time delay H01H 7/00)
H01H 3/34	2-Punkt Untergruppe	. . using ratchet
H01H 3/36	2-Punkt Untergruppe	. . using belt, chain, or cord
H01H 3/38	2-Punkt Untergruppe	. . using spring or other flexible shaft coupling
H01H 3/40	2-Punkt Untergruppe	. . using friction, toothed, or screw-and-nut gearing
H01H 3/42	2-Punkt Untergruppe	. . using cam or eccentric
H01H 3/44	2-Punkt Untergruppe	. . using Geneva movement
H01H 3/46	2-Punkt Untergruppe	. . using rod or lever linkage, e.g. toggle
H01H 3/48	2-Punkt Untergruppe	. . using lost-motion device
H01H 3/50	2-Punkt Untergruppe	. . with indexing or locating means, e.g. indexing by ball and spring
H01H 3/52	2-Punkt Untergruppe	. . with means to ensure stopping at intermediate operative positions
H01H 3/54	1-Punkt Untergruppe	. Mechanisms for coupling or uncoupling operating parts, driving mechanisms, or contacts
H01H 3/56	2-Punkt Untergruppe	. . using electromagnetic clutch
H01H 3/58	2-Punkt Untergruppe	. . using friction, toothed, or other mechanical clutch
H01H 3/60	1-Punkt Untergruppe	. Mechanical arrangements for preventing or damping vibration or shock
H01H 3/62	1-Punkt Untergruppe	. Lubricating means structurally associated with the switch (for lubricating contact-making surfaces H01H 1/60)
H01H 5/00	**Hauptgruppe**	**Snap-action arrangements, i.e. in which during a single opening operation or a single closing operation energy is first stored and then released to produce or assist the contact movement**
H01H 5/02	1-Punkt Untergruppe	. Energy stored by the attraction or repulsion of magnetic parts
H01H 5/04	1-Punkt Untergruppe	. Energy stored by deformation of elastic members (by deformation of bimetallic element in thermally-actuated switches H01H 37/54)
H01H 5/06	2-Punkt Untergruppe	. . by compression or extension of coil springs
H01H 5/08	3-Punkt Untergruppe	. . . one end of spring transmitting movement to the contact member when the other end is moved by the operating part
H01H 5/10	3-Punkt Untergruppe	. . . one end of spring being fixedly connected to the stationary or movable part of the switch, and the other end reacting with a movable or stationary rigid member respectively through pins, cams, toothed, or other shaped surfaces
H01H 5/12	3-Punkt Untergruppe	. . . having two or more snap-action motions in succession
H01H 5/14	2-Punkt Untergruppe	. . by twisting of torsion members
H01H 5/16	3-Punkt Untergruppe	. . . with auxiliary means for temporarily holding parts until torsion member is sufficiently strained

Symbol	Typ	Titel
H01H 5/18	2-Punkt Untergruppe	. . by flexing of blade springs
H01H 5/20	3-Punkt Untergruppe	. . . single blade moved across dead-centre position
H01H 5/22	3-Punkt Untergruppe	. . . blade spring with at least one snap-acting leg and at least one separate contact-carrying or contact-actuating leg
H01H 5/24	4-Punkt Untergruppe	. . . . having three legs
H01H 5/26	3-Punkt Untergruppe	. . . having two or more snap-action motions in succession
H01H 5/28	3-Punkt Untergruppe	. . . two separate blade springs forming a toggle
H01H 5/30	2-Punkt Untergruppe	. . by buckling of disc springs
H01H 7/00	**Hauptgruppe**	**Devices for introducing a predetermined time delay between the initiation of the switching operation and the opening or closing of the contacts (time or time-programme switches H01H 43/00)**
H01H 7/02	1-Punkt Untergruppe	. with fluid timing means
H01H 7/03	2-Punkt Untergruppe	. . with dash-pots
H01H 7/04	2-Punkt Untergruppe	. . with flies, i.e. fan governors
H01H 7/06	1-Punkt Untergruppe	. with thermal timing means (thermally-actuated switches H01H 37/00)
H01H 7/08	1-Punkt Untergruppe	. with timing by mechanical speed-control devices
H01H 7/10	2-Punkt Untergruppe	. . by escapement
H01H 7/12	3-Punkt Untergruppe	. . . mechanical
H01H 7/14	3-Punkt Untergruppe	. . . electromagnetic
H01H 7/16	1-Punkt Untergruppe	. Devices for ensuring operation of the switch at a predetermined point in the ac cycle (circuit arrangements H01H 9/56)
H01H 9/00	**Hauptgruppe**	**Details of switching devices, not covered by groups H01H 1/00-H01H 7/00 (casings for switchgear H02B 1/26; casings for electrical apparatus in general H05K 5/00)**
H01H 9/02	1-Punkt Untergruppe	. Bases, casings, or covers (accommodating more than one switch or a switch and another electrical component H02B 1/26)
H01H 9/04	2-Punkt Untergruppe	. . Dustproof, splashproof, drip-proof, waterproof, or flameproof casings
H01H 9/06	2-Punkt Untergruppe	. . Casing of switch constituted by a handle serving a purpose other than the actuation of the switch, e.g. by the handle of a vacuum cleaner
H01H 9/08	1-Punkt Untergruppe	. Arrangements to facilitate replacement of switch, e.g. cartridge housing
H01H 9/10	1-Punkt Untergruppe	. Adaptation for built-in fuses (mounting switch and fuse separately on, or in, common support H02B)
H01H 9/12	1-Punkt Untergruppe	. Means for earthing parts of switch not normally conductively connected to the contacts
H01H 9/14	1-Punkt Untergruppe	. Adaptation for built-in safety spark gaps
H01H 9/16	1-Punkt Untergruppe	. Indicators for switching condition, e.g. "on" or "off"
H01H 9/18	1-Punkt Untergruppe	. Distinguishing marks on switches, e.g. for indicating switch location in the dark; Adaptation of switches to receive distinguishing marks
H01H 9/20	1-Punkt Untergruppe	. Interlocking, locking, or latching mechanisms (contacts adapted to act as latches H01H 1/52; by an auxiliary movement of the operating part or of an attachment thereto H01H 3/20)

Symbol	Typ	Titel
H01H 9/22	2-Punkt Untergruppe	. . for interlocking between casing, cover, or protective shutter and mechanism for operating contacts
H01H 9/24	2-Punkt Untergruppe	. . for interlocking two or more parts of the mechanism for operating contacts
H01H 9/26	2-Punkt Untergruppe	. . for interlocking two or more switches (by a detachable member H01H 9/28)
H01H 9/28	2-Punkt Untergruppe	. . for locking switch parts by a key or equivalent removable member (switches operated by a key H01H 27/00 ; locking by removable part of two-part coupling device H01R)
H01H 9/30	1-Punkt Untergruppe	. Means for extinguishing or preventing arc between current-carrying parts
H01H 9/32	2-Punkt Untergruppe	. . Insulating body insertable between contacts
H01H 9/34	2-Punkt Untergruppe	. . Stationary parts for restricting or subdividing the arc, e.g. barrier plate
H01H 9/36	3-Punkt Untergruppe	. . . Metal parts
H01H 9/38	2-Punkt Untergruppe	. . Auxiliary contacts on to which the arc is transferred from the main contacts (using arcing-horns H01H 9/46)
H01H 9/40	2-Punkt Untergruppe	. . Multiple main contacts for the purpose of dividing the current through, or potential drop along, the arc
H01H 9/42	2-Punkt Untergruppe	. . Impedances connected with contacts
H01H 9/44	2-Punkt Untergruppe	. . using blow-out magnet
H01H 9/46	2-Punkt Untergruppe	. . using arcing horns (using blow-out magnet H01H 9/44; arcing horns per seH01T 4/14)
H01H 9/48	1-Punkt Untergruppe	. Means for preventing discharge to non-current-carrying parts, e.g. using corona ring
H01H 9/50	1-Punkt Untergruppe	. Means for detecting the presence of an arc or discharge
H01H 9/52	1-Punkt Untergruppe	. Cooling of switch parts (cooling of contacts H01H 1/62)
H01H 9/54	1-Punkt Untergruppe	. Circuit arrangements not adapted to a particular application of the switching device and for which no provision exists elsewhere
H01H 9/56	2-Punkt Untergruppe	. . for ensuring operation of the switch at a predetermined point in the ac cycle
H01H 11/00	***Hauptgruppe***	***Apparatus or processes specially adapted for the manufacture of electric switches (processes specially adapted for manufacture of rectilinearly movable switches having a plurality of operating members associated with different sets of contacts, e.g. keyboards, H01H 13/88 ; processes or apparatus specially adapted for the manufacture or treatment of micro-structural devices or systems, e.g. in combination with electrical devices, B81C) [1, 2006.01]***
H01H 11/02	1-Punkt Untergruppe	. for mercury switches
H01H 11/04	1-Punkt Untergruppe	. of switch contacts
H01H 11/06	2-Punkt Untergruppe	. . Fixing of contacts to carrier
H01H 13/00	**Hauptgruppe**	**Switches having rectilinearly-movable operating part or parts adapted for pushing or pulling in one direction only, e.g. push-button switch (wherein the operating part is flexible H01H 17/00)**
H01H 13/02	*1-Punkt Untergruppe*	*. Details (specially adapted for rectilinearly movable switches having operating members associated with different sets of contacts, e.g. keyboards, H01H 13/70) [1, 2006.01]*
H01H 13/04	2-Punkt Untergruppe	. . Cases; Covers
H01H 13/06	3-Punkt Untergruppe	. . . Dustproof, splashproof, drip-proof, waterproof, or flameproof casings
H01H 13/08	3-Punkt Untergruppe	. . . Casing of switch constituted by a handle serving a purpose other than the actuation of the switch
H01H 13/10	2-Punkt Untergruppe	. . Bases; Stationary contacts mounted thereon

Symbol	Typ	Titel
H01H 13/12	2-Punkt Untergruppe	. . Movable parts; Contacts mounted thereon
H01H 13/14	3-Punkt Untergruppe	. . . Operating parts, e.g. push-button
H01H 13/16	4-Punkt Untergruppe	. . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 13/18	4-Punkt Untergruppe	. . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 13/20	3-Punkt Untergruppe	. . . Driving mechanisms
H01H 13/22	4-Punkt Untergruppe	. . . . acting with snap action (depending upon deformation of elastic members H01H 13/26)
H01H 13/24	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 13/26	2-Punkt Untergruppe	. . Snap-action arrangements depending upon deformation of elastic members
H01H 13/28	3-Punkt Untergruppe	. . . using compression or extension of coil springs
H01H 13/30	4-Punkt Untergruppe	. . . . one end of spring transmitting movement to the contact member when the other end is moved by the operating part
H01H 13/32	4-Punkt Untergruppe	. . . . one end of spring being fixedly connected to the stationary or movable part of the switch and the other end reacting with a movable or stationary rigid member respectively through pins, cams, toothed, or other shaped surfaces
H01H 13/34	4-Punkt Untergruppe	. . . . having two or more snap-action motions in succession
H01H 13/36	3-Punkt Untergruppe	. . . using flexing of blade springs
H01H 13/38	4-Punkt Untergruppe	. . . . Single blade moved across dead-centre position
H01H 13/40	4-Punkt Untergruppe	. . . . Blade spring with at least one snap-acting leg and at least one separate contactcarrying or contact-actuating leg
H01H 13/42	5-Punkt Untergruppe	. . . . . having three legs
H01H 13/44	4-Punkt Untergruppe	. . . . having two or more snap-action motions in succession
H01H 13/46	4-Punkt Untergruppe	. . . . two separate blade springs forming a toggle
H01H 13/48	3-Punkt Untergruppe	. . . using buckling of disc springs
H01H 13/50	1-Punkt Untergruppe	. having a single operating member
H01H 13/52	2-Punkt Untergruppe	. . the contact returning to its original state immediately upon removal of operating force, e.g. bell push switch
H01H 13/54	2-Punkt Untergruppe	. . the contact returning to its original state a predetermined time interval after removal of operating force, e.g. for staircase lighting
H01H 13/56	2-Punkt Untergruppe	. . the contact returning to its original state upon the next application of operating force
H01H 13/58	3-Punkt Untergruppe	. . . with contact-driving member rotated step-wise in one direction
H01H 13/60	3-Punkt Untergruppe	. . . with contact-driving member moved alternately in opposite directions
H01H 13/62	2-Punkt Untergruppe	. . the contact returning to its original state upon manual release of a latch (latch released by second push-button H01H 13/68)
H01H 13/64	2-Punkt Untergruppe	. . wherein the switch has more than two electrically distinguishable positions, e.g. multi-position push-button switches

Symbol	Typ	Titel
H01H 13/66	3-Punkt Untergruppe	. . . the operating member having only two positions
H01H 13/68	1-Punkt Untergruppe	. having two operating members, one for opening and one for closing the same set of contacts (single operating member protruding from different sides of switch casing for alternate pushing upon opposite ends H01H 15/22)
H01H 13/70	1-Punkt Untergruppe	. having a plurality of operating members associated with different sets of contacts, e.g. keyboard (keyboards for special applications, see the relevant subclasses or groups, e.g. B41J, G06F 3/023, H04L 15/00, H04L 17/00, H04M 1/00; mounting together a plurality of independent switches H02B)
H01H 13/702	2-Punkt Untergruppe	. . with contacts carried by or formed from layers in a multilayer structure, e.g. membrane switches [7]
H01H 13/703	*3-Punkt Untergruppe*	*. . . characterised by spacers between contact carrying layers [2006.01]*
H01H 13/704	*3-Punkt Untergruppe*	*. . . characterised by the layers, e.g. by their material or structure (H01H 13/703 takes precedence) [2006.01]*
H01H 13/705	3-Punkt Untergruppe	. . . characterised by construction, mounting or arrangement of operating parts, e.g. push-buttons or keys [7]
H01H 13/7057	*4-Punkt Untergruppe*	*. . . . characterised by the arrangement of operating parts in relation to each other, e.g. pre-assembled groups of keys [2006.01]*
H01H 13/7065	*4-Punkt Untergruppe*	*. . . . characterised by the mechanism between keys and layered keyboards [2006.01]*
H01H 13/7073	*5-Punkt Untergruppe*	*. . . . . characterised by springs, e.g. Euler springs [2006.01]*
H01H 13/708	3-Punkt Untergruppe	. . . in which all fixed and movable contacts are carried by insulating members (H01H 13/705 takes precedence) [7]
H01H 13/712	4-Punkt Untergruppe	. . . . all of the insulating members being substantially flat [7]
H01H 13/715	3-Punkt Untergruppe	. . . in which each contact set includes a contact which is not secured to or part of a supporting layer, e.g. a snap dome (H01H 13/705 takes precedence) [7]
H01H 13/718	3-Punkt Untergruppe	. . . in which some or all of the movable contacts are formed in a single conductive plate, e.g. formed by punching sheet metal (H01H 13/705 takes precedence) [7]
H01H 13/72	2-Punkt Untergruppe	. . wherein the switch has means for limiting the number of operating members that can concurrently be in the actuated position
H01H 13/74	3-Punkt Untergruppe	. . . each contact set returning to its original state only upon actuation of another of the operating members
H01H 13/76	2-Punkt Untergruppe	. . wherein some or all of the operating members actuate different combinations of the contact sets, e.g. ten operating members actuating different combinations of four contact sets
H01H 13/78	*2-Punkt Untergruppe*	*. . characterised by the contacts or the contact sites [2006.01]*
H01H 13/785	*3-Punkt Untergruppe*	*. . . characterised by the material of the contacts, e.g. conductive polymers [2006.01]*
H01H 13/79	*3-Punkt Untergruppe*	*. . . characterised by the form of the contacts, e.g. interspersed fingers or helical networks [2006.01]*
H01H 13/80	*3-Punkt Untergruppe*	*. . . characterised by the manner of cooperation of the contacts, e.g. with both contacts movable or with bounceless contacts [2006.01]*
H01H 13/803	*3-Punkt Untergruppe*	*. . . characterised by the switching function thereof, e.g. normally closed contacts or consecutive operation of contacts [2006.01]*
H01H 13/807	*3-Punkt Untergruppe*	*. . . characterised by the spatial arrangement of the contact sites, e.g. superimposed sites [2006.01]*
H01H 13/81	*2-Punkt Untergruppe*	*. . characterised by electrical connections to external devices [2006.01]*
H01H 13/82	*2-Punkt Untergruppe*	*. . characterised by contact space venting means [2006.01]*

Symbol	Typ	Titel
H01H 13/83	*2-Punkt Untergruppe*	*. . characterised by legends, e.g. Braille, liquid crystal displays, light emitting or optical elements [2006.01]*
H01H 13/84	*2-Punkt Untergruppe*	*. . characterised by ergonomic functions, e.g. for miniature keyboards ; characterised by operational sensory functions, e.g. sound feedback (legends H01H 13/83) [2006.01]*
H01H 13/85	*3-Punkt Untergruppe*	*. . . characterised by tactile feedback features [2006.01]*
H01H 13/86	*2-Punkt Untergruppe*	*. . characterised by the casing, e.g. sealed casings or casings reducible in size [2006.01]*
H01H 13/88	*2-Punkt Untergruppe*	*. . Processes specially adapted for manufacture of rectilinearly movable switches having a plurality of operating members associated with different sets of contacts, e.g. keyboards [2006.01]*
H01H 15/00	**Hauptgruppe**	**Switches having rectilinearly-movable operating part or parts adapted for actuation in opposite directions, e.g. slide switch**
H01H 15/02	1-Punkt Untergruppe	. Details
H01H 15/04	2-Punkt Untergruppe	. . Stationary parts; Contacts mounted thereon
H01H 15/06	2-Punkt Untergruppe	. . Movable parts; Contacts mounted thereon
H01H 15/08	3-Punkt Untergruppe	. . . Contact arrangements for providing make-before-break operation, e.g. for on-load tap-changing
H01H 15/10	3-Punkt Untergruppe	. . . Operating parts
H01H 15/12	4-Punkt Untergruppe	. . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 15/14	4-Punkt Untergruppe	. . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 15/16	3-Punkt Untergruppe	. . . Driving mechanisms
H01H 15/18	4-Punkt Untergruppe	. . . . acting with snap action
H01H 15/20	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 15/22	1-Punkt Untergruppe	. having a single operating part protruding from different sides of switch casing for alternate actuation from opposite ends
H01H 15/24	1-Punkt Untergruppe	. having a single operating part only protruding from one side of the switch casing for alternate pushing and pulling
H01H 17/00	**Hauptgruppe**	**Switches having flexible operating part adapted only for pulling, e.g. cord, chain**
H01H 17/02	1-Punkt Untergruppe	. Details
H01H 17/04	2-Punkt Untergruppe	. . Stationary parts (guides H01H 17/14)
H01H 17/06	2-Punkt Untergruppe	. . Movable parts (guides H01H 17/14)
H01H 17/08	3-Punkt Untergruppe	. . . Operating part, e.g. cord
H01H 17/10	4-Punkt Untergruppe	. . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 17/12	4-Punkt Untergruppe	. . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 17/14	2-Punkt Untergruppe	. . Guiding means for flexible operating part
H01H 17/16	1-Punkt Untergruppe	. having a single flexible operating part adapted for pulling at one end only
H01H 17/18	2-Punkt Untergruppe	. . secured to a part of the switch driving mechanism that has only angular movement

Symbol	Typ	Titel
H01H 17/20	3-Punkt Untergruppe	. . . the contact returning to its original state immediately upon removal of operating force
H01H 17/22	3-Punkt Untergruppe	. . . the contact returning to its original state upon the next application of operating force
H01H 17/24	2-Punkt Untergruppe	. . secured to a part of the switch driving mechanism that has both angular and rectilinear motion
H01H 17/26	1-Punkt Untergruppe	. having two flexible operating parts; having a single operating part adapted for pulling at both ends
H01H 17/28	2-Punkt Untergruppe	. . secured to a part or parts of the switch driving mechanism having only rectilinear motion
H01H 17/30	2-Punkt Untergruppe	. . secured to a part or parts of the switch driving mechanism having only angular motion
H01H 19/00	***Hauptgruppe***	***Switches operated by an operating part which is rotatable about a longitudinal axis thereof and which is acted upon directly by a solid body external to the switch, e.g. by a hand (rotary current collectors, distributors, or interrupters H01R 39/00) [1, 2006.01]***
H01H 19/02	1-Punkt Untergruppe	. Details
H01H 19/03	*2-Punkt Untergruppe*	*. . Means for limiting the angle of rotation of the operating part [2006.01]*
H01H 19/04	2-Punkt Untergruppe	. . Cases; Covers
H01H 19/06	3-Punkt Untergruppe	. . . Dustproof, splashproof, drip-proof, waterproof, or flameproof casings
H01H 19/08	2-Punkt Untergruppe	. . Bases; Stationary contacts mounted thereon
H01H 19/10	2-Punkt Untergruppe	. . Movable parts; Contacts mounted thereon
H01H 19/11	*3-Punkt Untergruppe*	*. . . with indexing means [2006.01]*
H01H 19/12	3-Punkt Untergruppe	. . . Contact arrangements for providing make-before-break operation, e.g. for on-load tap-changing
H01H 19/14	3-Punkt Untergruppe	. . . Operating parts, e.g. turn knob
H01H 19/16	4-Punkt Untergruppe	. . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 19/18	4-Punkt Untergruppe	. . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 19/20	3-Punkt Untergruppe	. . . Driving mechanisms allowing angular displacement of the operating part to be effective in either direction
H01H 19/22	4-Punkt Untergruppe	. . . . incorporating lost motion
H01H 19/24	4-Punkt Untergruppe	. . . . acting with snap action
H01H 19/26	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 19/28	3-Punkt Untergruppe	. . . Driving mechanisms allowing angular displacement of the operating part to be effective or possible in only one direction
H01H 19/30	4-Punkt Untergruppe	. . . . incorporating lost motion
H01H 19/32	4-Punkt Untergruppe	. . . . acting with snap action
H01H 19/34	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 19/36	1-Punkt Untergruppe	. the operating part having only two operative positions, e.g. relatively displaced by 180°
H01H 19/38	2-Punkt Untergruppe	. . Change-over switches
H01H 19/40	3-Punkt Untergruppe	. . . having only axial contact pressure
H01H 19/42	2-Punkt Untergruppe	. . providing more than two electrically-different conditions, e.g. for closing either or both of two circuits

Symbol	Typ	Titel
H01H 19/44	3-Punkt Untergruppe	. . . having only axial contact pressure
H01H 19/46	1-Punkt Untergruppe	. the operating part having three operative positions, e.g. off/star/delta
H01H 19/48	2-Punkt Untergruppe	. . having only axial contact pressure
H01H 19/50	1-Punkt Untergruppe	. the operating part having four operative positions, e.g. off/two-in-series/one-only/two-in-parallel
H01H 19/52	2-Punkt Untergruppe	. . having only axial contact pressure
H01H 19/54	1-Punkt Untergruppe	. the operating part having at least five or an unspecified number of operative positions
H01H 19/56	2-Punkt Untergruppe	. . Angularly-movable actuating part carrying contacts, e.g. drum switch
H01H 19/58	3-Punkt Untergruppe	. . . having only axial contact pressure, e.g. disc switch, wafer switch
H01H 19/60	2-Punkt Untergruppe	. . Angularly-movable actuating part carrying no contacts
H01H 19/62	3-Punkt Untergruppe	. . . Contacts actuated by radial cams
H01H 19/63	3-Punkt Untergruppe	. . . Contacts actuated by axial cams [2]
H01H 19/635	*3-Punkt Untergruppe*	*. . . Contacts actuated by rectilinearly-movable member linked to operating part, e.g. by pin and slot [2006.01]*
H01H 19/64	1-Punkt Untergruppe	. Encased switches adapted for ganged operation when assembled in a line with identical switches, e.g. stacked switches
H01H 21/00	***Hauptgruppe***	***Switches operated by an operating part in the form of a pivotable member acted upon directly by a solid body, e.g. by a hand (tumbler or rocker switches H01H 23/00 ; switches having an operating part movable angularly in more than one plane H01H 25/04) [1, 2006.01]***
H01H 21/02	1-Punkt Untergruppe	. Details
H01H 21/04	2-Punkt Untergruppe	. . Cases; Covers
H01H 21/06	3-Punkt Untergruppe	. . . interlocked with operating mechanism
H01H 21/08	3-Punkt Untergruppe	. . . Dustproof, splashproof, drip-proof, waterproof, or flameproof casings
H01H 21/10	3-Punkt Untergruppe	. . . Casing of switch constituted by a handle serving a purpose other than the actuation of the switch
H01H 21/12	2-Punkt Untergruppe	. . Bases; Stationary contacts mounted thereon
H01H 21/14	2-Punkt Untergruppe	. . Means for increasing contact pressure
H01H 21/16	2-Punkt Untergruppe	. . Adaptation for built-in fuse
H01H 21/18	2-Punkt Untergruppe	. . Movable parts; Contacts mounted thereon
H01H 21/20	3-Punkt Untergruppe	. . . Contact arrangements for providing make-before-break operation, e.g. for on-load tap-changing
H01H 21/22	3-Punkt Untergruppe	. . . Operating parts, e.g. handle
H01H 21/24	4-Punkt Untergruppe	. . . . biased to return to original position upon removal of operating force
H01H 21/26	5-Punkt Untergruppe	. . . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 21/28	5-Punkt Untergruppe	. . . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 21/30	4-Punkt Untergruppe	. . . . not biased to return to original position upon removal of operating force

Symbol	Typ	Titel
H01H 21/32	5-Punkt Untergruppe	. . . . . adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 21/34	5-Punkt Untergruppe	. . . . . adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 21/36	3-Punkt Untergruppe	. . . Driving mechanisms
H01H 21/38	4-Punkt Untergruppe	. . . . incorporating lost motion
H01H 21/40	4-Punkt Untergruppe	. . . . having snap action
H01H 21/42	5-Punkt Untergruppe	. . . . . produced by compression or extension of coil spring
H01H 21/44	5-Punkt Untergruppe	. . . . . produced by flexing blade springs
H01H 21/46	5-Punkt Untergruppe	. . . . . with two or more snap-action motions in succession
H01H 21/48	4-Punkt Untergruppe	. . . . incorporating a ratchet mechanism
H01H 21/50	4-Punkt Untergruppe	. . . . with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions
H01H 21/52	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 21/54	1-Punkt Untergruppe	. Lever switches with blade-type contact co-operating with one or two spring-clip contacts, e.g. knife switch, sectionalisers
H01H 21/56	2-Punkt Untergruppe	. . making contact in one position only
H01H 21/58	2-Punkt Untergruppe	. . Change-over switches without stable intermediate position
H01H 21/60	2-Punkt Untergruppe	. . Change-over switches with stable intermediate position
H01H 21/62	Gelöscht	(covered by H01H 19/56)
H01H 21/64	Gelöscht	(covered by H01H 19/36)
H01H 21/66	Gelöscht	(covered by H01H 19/40; H01H 19/44)
H01H 21/68	Gelöscht	(covered by H01H 19/46)
H01H 21/70	Gelöscht	(covered by H01H 19/48)
H01H 21/72	Gelöscht	(covered by H01H 19/50)
H01H 21/74	Gelöscht	(covered by H01H 19/52)
H01H 21/76	Gelöscht	(covered by H01H 19/54)
H01H 21/78	Gelöscht	(covered by H01H 19/58)
H01H 21/80	Gelöscht	(covered by H01H 19/36; H01H 19/46; H01H 19/50; H01H 19/60)
H01H 21/82	Gelöscht	(covered by H01H 19/36; H01H 19/46; H01H 19/50; H01H 19/62)
H01H 21/84	Gelöscht	(covered by H01H 19/36; H01H 19/46; H01H 19/50); (transferred to H01H 19/635)
H01H 21/86	1-Punkt Untergruppe	. Switches with abutting contact carried by operating part, e.g. telegraph tapping key
H01H 21/88	2-Punkt Untergruppe	. . with intermediate position of rest
H01H 23/00	**Hauptgruppe**	**Tumbler or rocker switches, i.e. switches characterised by being operated by rocking an operating member in the form of a rocker button**
H01H 23/02	1-Punkt Untergruppe	. Details
H01H 23/04	2-Punkt Untergruppe	. . Cases; Covers
H01H 23/06	3-Punkt Untergruppe	. . . Dustproof, splashproof, drip-proof, waterproof, or flameproof casings
H01H 23/08	2-Punkt Untergruppe	. . Bases; Stationary contacts mounted thereon

Symbol	Typ	Titel
H01H 23/10	2-Punkt Untergruppe	. . Adaptation for built-in fuse
H01H 23/12	2-Punkt Untergruppe	. . Movable parts; Contacts mounted thereon
H01H 23/14	3-Punkt Untergruppe	. . . Tumblers
H01H 23/16	3-Punkt Untergruppe	. . . Driving mechanisms
H01H 23/18	4-Punkt Untergruppe	. . . . incorporating lost motion
H01H 23/20	4-Punkt Untergruppe	. . . . having snap action
H01H 23/22	4-Punkt Untergruppe	. . . . with means for introducing a predetermined time delay
H01H 23/24	1-Punkt Untergruppe	. with two operating positions
H01H 23/26	2-Punkt Untergruppe	. . one of which positions is unstable
H01H 23/28	1-Punkt Untergruppe	. with three operating positions
H01H 23/30	2-Punkt Untergruppe	. . with stable centre position and one or both end positions unstable
H01H 25/00	**Hauptgruppe**	**Switches with compound movement of handle or other operating part**
H01H 25/04	1-Punkt Untergruppe	. Operating part movable angularly in more than one plane, e.g. joystick
H01H 25/06	1-Punkt Untergruppe	. Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement
H01H 27/00	**Hauptgruppe**	**Switches operated by a removable member, e.g. key, plug, plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (locking switch parts to prevent operation H01H 9/28; combined with plug-and-socket connectors H01R; with current-carrying plug H01R 31/08)**
H01H 27/04	1-Punkt Untergruppe	. Insulating plug or plate inserted between normally-closed contacts
H01H 27/06	1-Punkt Untergruppe	. Key inserted and then turned to effect operation of the switch
H01H 27/08	2-Punkt Untergruppe	. . wherein the key cannot be removed until the switch is returned to its original position
H01H 27/10	1-Punkt Untergruppe	. Switch operated by setting members according to a single predetermined combination out of several possible settings
H01H 29/00	**Hauptgruppe**	**Switches having at least one liquid contact (solid contacts wetted or soaked with mercury H01H 1/08)**
H01H 29/02	1-Punkt Untergruppe	. Details
H01H 29/04	2-Punkt Untergruppe	. . Contacts; Containers for liquid contacts
H01H 29/06	3-Punkt Untergruppe	. . . Liquid contacts characterised by the material thereof
H01H 29/08	2-Punkt Untergruppe	. . Means for introducing a predetermined time delay
H01H 29/10	3-Punkt Untergruppe	. . . by constricting the flow of the contact liquid
H01H 29/12	2-Punkt Untergruppe	. . Operating mechanisms adapted for operation by a part of the human body other than the hand, e.g. by foot
H01H 29/14	2-Punkt Untergruppe	. . Operating mechanisms adapted for actuation at a limit or other predetermined position in the path of a body, the relative movement of switch and body being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a lift
H01H 29/16	1-Punkt Untergruppe	. operated by dipping solid contact into stationary contact liquid
H01H 29/18	1-Punkt Untergruppe	. with level of surface of contact liquid displaced by non-electrical contact-making plunger

Symbol	Typ	Titel
H01H 29/20	1-Punkt Untergruppe	. operated by tilting contact-liquid container (centrifugal mercury switches H01H 29/26)
H01H 29/22	2-Punkt Untergruppe	. . wherein contact is made and broken between liquid and solid
H01H 29/24	2-Punkt Untergruppe	. . wherein contact is made and broken between liquid and liquid
H01H 29/26	1-Punkt Untergruppe	. with level of surface of contact liquid displaced by centrifugal action
H01H 29/28	1-Punkt Untergruppe	. with level of surface of contact liquid displaced by fluid pressure
H01H 29/30	1-Punkt Untergruppe	. with level of surface of contact liquid displaced by expansion or evaporation thereof
H01H 29/32	1-Punkt Untergruppe	. with contact made by a liquid jet, e.g. earthing switch with contact made by jet of water (operated by direct electrodynamic action H01H 53/00)
H01H 31/00	**Hauptgruppe**	**Air-break switches for high tension without arc-extinguishing or arc-preventing means (in combination with high tension or heavy-current switches with arc-extinguishing or arc-preventing means H01H 33/00; switching arrangements for the supply or distribution of electric power H02B) [3]**
H01H 31/02	1-Punkt Untergruppe	. Details
H01H 31/04	2-Punkt Untergruppe	. . Interlocking mechanisms (for interlocking with high-tension or heavy-current switches having arc-extinguishing or arc-preventing means H01H 33/52)
H01H 31/06	3-Punkt Untergruppe	. . . for interlocking between casing, cover, or protective shutter and mechanism for operating contacts
H01H 31/08	3-Punkt Untergruppe	. . . for interlocking two or more parts of the mechanism for operating contacts
H01H 31/10	3-Punkt Untergruppe	. . . for interlocking two or more switches (for interlocking with high-tension or heavy-current switches having arc-extinguishing or arc-preventing means H01H 33/52)
H01H 31/12	2-Punkt Untergruppe	. . Adaptation for built-in fuse
H01H 31/14	1-Punkt Untergruppe	. with bridging contact that is not electrically connected to either line contact in open position of switch
H01H 31/16	2-Punkt Untergruppe	. . with angularly-movable bridging contact or contact-carrying member
H01H 31/18	3-Punkt Untergruppe	. . . actuated through the movement of one or more insulators
H01H 31/20	4-Punkt Untergruppe	. . . . at least one insulator being rotatable about its own geometrical axis
H01H 31/22	3-Punkt Untergruppe	. . . wherein the contact or contacts are rectilinearly movable with respect to the carrying member
H01H 31/24	2-Punkt Untergruppe	. . with rectilinearly-movable bridging contact
H01H 31/26	1-Punkt Untergruppe	. with movable contact that remains electrically connected to one line in open position of switch
H01H 31/28	2-Punkt Untergruppe	. . with angularly-movable contact
H01H 31/30	3-Punkt Untergruppe	. . . actuated-through the movement of one or more insulators
H01H 31/32	2-Punkt Untergruppe	. . with rectilinearly-movable contact
H01H 31/34	1-Punkt Untergruppe	. with movable contact adapted to engage an overhead transmission line, e.g. for branching
H01H 31/36	2-Punkt Untergruppe	. . Contact moved by pantograph
H01H 33/00	**Hauptgruppe**	**High-tension or heavy-current switches with arc-extinguishing or arc-preventing means**
H01H 33/02	1-Punkt Untergruppe	. Details
H01H 33/04	2-Punkt Untergruppe	. . Means for extinguishing or preventing arc between current-carrying parts (for switches in general H01H 9/30)

Symbol	Typ	Titel
H01H 33/06	3-Punkt Untergruppe	. . . Insulating body insertable between contacts
H01H 33/08	3-Punkt Untergruppe	. . . Stationary parts for restricting or subdividing the arc, e.g. barrier plate
H01H 33/10	4-Punkt Untergruppe	. . . . Metal parts
H01H 33/12	3-Punkt Untergruppe	. . . Auxiliary contacts on to which the arc is transferred from the main contacts (using arcing horns H01H 33/20)
H01H 33/14	3-Punkt Untergruppe	. . . Multiple main contacts for the purpose of dividing the current through, or potential drop along, the arc
H01H 33/16	3-Punkt Untergruppe	. . . Impedances connected with contacts
H01H 33/18	3-Punkt Untergruppe	. . . using blow-out magnet
H01H 33/20	3-Punkt Untergruppe	. . . using arcing horns (using blow-out magnet H01H 33/18; arcing horns per seH01T 4/14)
H01H 33/22	3-Punkt Untergruppe	. . . Selection of fluids for arc-extinguishing
H01H 33/24	2-Punkt Untergruppe	. . Means for preventing discharge to non-current-carrying parts, e.g. using corona ring
H01H 33/26	2-Punkt Untergruppe	. . Means for detecting the presence of an arc or other discharge
H01H 33/28	2-Punkt Untergruppe	. . Power arrangements internal to the switch for operating the driving mechanism
H01H 33/30	3-Punkt Untergruppe	. . . using fluid actuator
H01H 33/32	4-Punkt Untergruppe	. . . . pneumatic
H01H 33/34	4-Punkt Untergruppe	. . . . hydraulic
H01H 33/36	3-Punkt Untergruppe	. . . using dynamo-electric motor (for storing energy in a spring motor H01H 33/40)
H01H 33/38	3-Punkt Untergruppe	. . . using electromagnet (for storing energy in a spring motor H01H 33/40)
H01H 33/40	3-Punkt Untergruppe	. . . using spring motor
H01H 33/42	2-Punkt Untergruppe	. . Driving mechanisms
H01H 33/44	2-Punkt Untergruppe	. . Devices for ensuring operation of the switch at a predetermined point in the ac cycle (circuit arrangements H01H 33/59)
H01H 33/46	2-Punkt Untergruppe	. . Interlocking mechanisms
H01H 33/48	3-Punkt Untergruppe	. . . for interlocking between casing or cover and mechanism for operating contacts
H01H 33/50	3-Punkt Untergruppe	. . . for interlocking two or more parts of the mechanism for operating contacts
H01H 33/52	3-Punkt Untergruppe	. . . for interlocking two or more switches
H01H 33/53	2-Punkt Untergruppe	. . Cases (for switchgear H02B 1/26); Reservoirs, tanks, piping or valves, for arc-extinguishing fluid; Accessories therefor, e.g. safety arrangements, pressure relief devices [3]
H01H 33/55	3-Punkt Untergruppe	. . . Oil reservoirs or tanks; Lowering means therefor (associated with withdrawal mechanism for isolation of switch H02B 11/08)
H01H 33/56	3-Punkt Untergruppe	. . . Gas reservoirs
H01H 33/57	3-Punkt Untergruppe	. . . Recuperation of liquid or gas
H01H 33/575	3-Punkt Untergruppe	. . . Pressure relief devices for normal or emergency use [3]
H01H 33/58	3-Punkt Untergruppe	. . . Silencers for suppressing noise of switch operation [3]

Symbol	Typ	Titel
H01H 33/59	2-Punkt Untergruppe	. . Circuit arrangements not adapted to a particular application of the switch and not otherwise provided for, e.g. for ensuring operation of the switch at a predetermined point in the ac cycle
H01H 33/60	1-Punkt Untergruppe	. Switches wherein the means for extinguishing or preventing the arc do not include separate means for obtaining or increasing flow of arc-extinguishing fluid
H01H 33/62	2-Punkt Untergruppe	. . wherein the break is in air at atmospheric pressure, e.g. in open air
H01H 33/64	2-Punkt Untergruppe	. . wherein the brake is in gas (in air at atmospheric pressure H01H 33/62; vacuum switches H01H 33/66)
H01H 33/66	2-Punkt Untergruppe	. . Vacuum switches
H01H 33/662	3-Punkt Untergruppe	. . . Housings or protective screens [7]
H01H 33/664	3-Punkt Untergruppe	. . . Contacts; Arc-extinguishing means, e.g. arcing rings [7]
H01H 33/666	3-Punkt Untergruppe	. . . Operating arrangements [7]
H01H 33/668	3-Punkt Untergruppe	. . . Means for obtaining or monitoring the vacuum [7]
H01H 33/68	2-Punkt Untergruppe	. . Liquid-break switches, e.g. oil-break
H01H 33/70	1-Punkt Untergruppe	. Switches with separate means for directing, obtaining, or increasing flow of arc-extinguishing fluid
H01H 33/72	2-Punkt Untergruppe	. . having stationary parts for directing the flow of arc-extinguishing fluid, e.g. arc-extinguishing chamber
H01H 33/73	3-Punkt Untergruppe	. . . wherein the break is in air at atmospheric pressure, e.g. in open air
H01H 33/74	3-Punkt Untergruppe	. . . wherein the break is in gas (in air at atmospheric pressure H01H 33/73)
H01H 33/75	3-Punkt Untergruppe	. . . Liquid-break switches, e.g. oil-break
H01H 33/76	2-Punkt Untergruppe	. . wherein arc-extinguishing gas is evolved from stationary parts; Selection of material therefor
H01H 33/77	3-Punkt Untergruppe	. . . wherein the break is in air at atmospheric pressure
H01H 33/78	3-Punkt Untergruppe	. . . wherein the break is in gas (in air at atmospheric pressure H01H 33/77)
H01H 33/80	2-Punkt Untergruppe	. . flow of arc-extinguishing fluid from a pressure source being controlled by a valve
H01H 33/82	3-Punkt Untergruppe	. . . the fluid being air or gas
H01H 33/825	4-Punkt Untergruppe	. . . . with closed circuit of air or gas (H01H 33/835 takes precedence) [3]
H01H 33/83	4-Punkt Untergruppe	. . . . wherein the contacts are opened by the flow of air or gas
H01H 33/835	5-Punkt Untergruppe	. . . . . with closed circuit of air or gas [3]
H01H 33/84	3-Punkt Untergruppe	. . . the fluid being liquid, e.g. oil
H01H 33/85	4-Punkt Untergruppe	. . . . wherein the contacts are opened by the flow of liquid
H01H 33/86	2-Punkt Untergruppe	. . the flow of arc-extinguishing fluid under pressure from the contact space being controlled by a valve
H01H 33/867	3-Punkt Untergruppe	. . . the fluid being air or gas [3]
H01H 33/873	4-Punkt Untergruppe	. . . . with closed circuit of air or gas [3]
H01H 33/88	2-Punkt Untergruppe	. . the flow of arc-extinguishing fluid being produced or increased by movement of pistons or other pressure-producing parts
H01H 33/90	3-Punkt Untergruppe	. . . this movement being effected by, or in conjunction with, the contact-operating mechanism

Symbol	Typ	Titel
H01H 33/91	4-Punkt Untergruppe	. . . . the arc-extinguishing fluid being air or gas
H01H 33/915	5-Punkt Untergruppe	. . . . . with closed circuit of air or gas [3]
H01H 33/92	4-Punkt Untergruppe	. . . . the arc-extinguishing fluid being liquid, e.g. oil
H01H 33/94	3-Punkt Untergruppe	. . . this movement being effected solely due to the pressure caused by the arc itself or by an auxiliary arc
H01H 33/95	4-Punkt Untergruppe	. . . . the arc-extinguishing fluid being air or gas
H01H 33/96	4-Punkt Untergruppe	. . . . the arc-extinguishing fluid being liquid, e.g. oil
H01H 33/98	2-Punkt Untergruppe	. . the flow of arc-extinguishing fluid being initiated by an auxiliary arc or a section of the arc, without any moving parts for producing or increasing the flow
H01H 33/985	3-Punkt Untergruppe	. . . the fluid being air or gas [3]
H01H 33/99	3-Punkt Untergruppe	. . . the fluid being liquid [3]
H01H 35/00	**Hauptgruppe**	**Switches operated by change of a physical condition (operated by change of magnetic or electric field H01H 36/00; thermally-actuated switches H01H 37/00; time switches H01H 43/00; relays H01H 45/00-H01H 61/00; sensing elements for providing continuous conversion of a variable into mechanical displacement G01)**
H01H 35/02	1-Punkt Untergruppe	. Switches operated by change of position, inclination, or orientation of the switch itself in relation to gravitational field (tilting mercury container H01H 29/20; change of position due to change of liquid level H01H 35/18)
H01H 35/06	1-Punkt Untergruppe	. Switches operated by change of speed (operated by change of fluid flow H01H 35/24)
H01H 35/10	2-Punkt Untergruppe	. . Centrifugal switches (level of mercury displaced by centrifugal action H01H 29/26)
H01H 35/12	2-Punkt Untergruppe	. . operated by reversal of direction of movement
H01H 35/14	1-Punkt Untergruppe	. Switches operated by change of acceleration, e.g. by shock or vibration, inertia switch
H01H 35/18	1-Punkt Untergruppe	. Switches operated by change of liquid level or of liquid density, e.g. float switch (wherein the liquid constitutes a contact of the switch H01H 29/00; by magnet carried on a float H01H 36/02)
H01H 35/24	1-Punkt Untergruppe	. Switches operated by change of fluid pressure, by fluid pressure waves, or by change of fluid flow (wherein the change of pressure is caused by change of temperature H01H 37/36)
H01H 35/26	2-Punkt Untergruppe	. . Details
H01H 35/28	3-Punkt Untergruppe	. . . Compensation for variation of ambient pressure or temperature
H01H 35/30	3-Punkt Untergruppe	. . . Means for transmitting pressure to pressure-responsive operating part, e.g. by capsule and capillary tube
H01H 35/32	2-Punkt Untergruppe	. . actuated by bellows
H01H 35/34	2-Punkt Untergruppe	. . actuated by diaphragm
H01H 35/36	2-Punkt Untergruppe	. . actuated by curled flexible tube, e.g. Bourdon tube
H01H 35/38	2-Punkt Untergruppe	. . actuated by piston and cylinder
H01H 35/40	2-Punkt Untergruppe	. . actuated by devices allowing continual flow of fluid, e.g. vane
H01H 35/42	1-Punkt Untergruppe	. Switches operated by change of humidity
H01H 36/00	**Hauptgruppe**	**Switches actuated by change of magnetic field or of electric field, e.g. by change of relative position of magnet and switch, by shielding**
H01H 36/02	1-Punkt Untergruppe	. actuated by movement of a float carrying a magnet
H01H 37/00	**Hauptgruppe**	**Thermally-actuated switches (electrothermal relays operated by electrical input H01H 61/00;**

Symbol	Typ	Titel
		protective switches with electrothermal release or actuation H01H 73/00-H01H 83/00)
H01H 37/02	1-Punkt Untergruppe	. Details
H01H 37/04	2-Punkt Untergruppe	. . Bases; Housings; Mountings
H01H 37/06	3-Punkt Untergruppe	. . . to facilitate replacement, e.g. cartridge housing
H01H 37/08	2-Punkt Untergruppe	. . Indicators; Distinguishing marks
H01H 37/10	2-Punkt Untergruppe	. . Compensation for variation of ambient temperature or pressure
H01H 37/12	2-Punkt Untergruppe	. . Means for adjustment of "on" or "off" operating temperature
H01H 37/14	3-Punkt Untergruppe	. . . by anticipatory electric heater
H01H 37/16	3-Punkt Untergruppe	. . . by varying the proportion of input heat received by the thermal element, e.g. by displacement of a shield
H01H 37/18	3-Punkt Untergruppe	. . . by varying bias on the thermal element due to a separate spring
H01H 37/20	3-Punkt Untergruppe	. . . by varying the position of the thermal element in relation to switch base or casing
H01H 37/22	3-Punkt Untergruppe	. . . by adjustment of a member transmitting motion from the thermal element to contacts or latch
H01H 37/24	3-Punkt Untergruppe	. . . by adjustment of position of the movable contact on its driving member
H01H 37/26	3-Punkt Untergruppe	. . . by adjustment of abutment for "off" position of the movable contact
H01H 37/28	3-Punkt Untergruppe	. . . by adjustment of the position of the fixed contact
H01H 37/30	3-Punkt Untergruppe	. . . by varying the position of the contact unit in relation to switch base or casing
H01H 37/32	2-Punkt Untergruppe	. . Thermally-sensitive members (temperature-responsive elements in general G01K)
H01H 37/34	3-Punkt Untergruppe	. . . Means for transmitting heat thereto, e.g. capsule remote from contact member
H01H 37/36	3-Punkt Untergruppe	. . . actuated due to expansion or contraction of a fluid with or without vaporisation (the fluid forming a contact of the switch H01H 29/04, H01H 29/30)
H01H 37/38	4-Punkt Untergruppe	. . . . with bellows
H01H 37/40	4-Punkt Untergruppe	. . . . with diaphragm
H01H 37/42	4-Punkt Untergruppe	. . . . with curled flexible tube, e.g. Bourdon tube
H01H 37/44	4-Punkt Untergruppe	. . . . with piston and cylinder
H01H 37/46	3-Punkt Untergruppe	. . . actuated due to expansion or contraction of a solid (deflection of a bimetallic element H01H 37/52)
H01H 37/48	4-Punkt Untergruppe	. . . . with extensible rigid rods or tubes
H01H 37/50	4-Punkt Untergruppe	. . . . with extensible wires under tension
H01H 37/52	3-Punkt Untergruppe	. . . actuated due to deflection of bimetallic element
H01H 37/54	4-Punkt Untergruppe	. . . . wherein the bimetallic element is inherently snap acting
H01H 37/56	4-Punkt Untergruppe	. . . . having spirally wound or helically wound bimetallic element
H01H 37/58	3-Punkt Untergruppe	. . . actuated due to thermally controlled change of magnetic permeability
H01H 37/60	2-Punkt Untergruppe	. . Means for producing snap action (inherent in bimetallic element H01H 37/54; caused by a magnet H01H 37/66)

Symbol	Typ	Titel
H01H 37/62	2-Punkt Untergruppe	. . Means other than thermal means for introducing a predetermined time delay
H01H 37/64	2-Punkt Untergruppe	. . Contacts
H01H 37/66	3-Punkt Untergruppe	. . . Magnetic reinforcement of contact pressure; Magnet causing snap action
H01H 37/68	3-Punkt Untergruppe	. . . sealed in evacuated or gas-filled tube
H01H 37/70	3-Punkt Untergruppe	. . . Resetting means
H01H 37/72	1-Punkt Untergruppe	. Switches in which the opening movement and the closing movement of a contact are effected respectively by heating and cooling or vice versa
H01H 37/74	1-Punkt Untergruppe	. Switches in which only the opening movement or only the closing movement of a contact is effected by heating or cooling (for the electrical protection of electric lines or electric apparatus H01H 73/00-H01H 83/00)
H01H 37/76	2-Punkt Untergruppe	. . Contact member actuated by melting of fusible material, actuated due to burning of combustible material or due to explosion of explosive material (fuses H01H 85/00)
H01H 39/00	**Hauptgruppe**	**Switching devices actuated by an explosion produced within the device and initiated by an electric current**
H01H 41/00	**Hauptgruppe**	**Switches providing a selected number of consecutive operations of the contacts by a single manual actuation of the operating part (for telephone communication H04M 1/26)**
H01H 41/04	1-Punkt Untergruppe	. Switches without means for setting or mechanically storing a multidigit number
H01H 41/06	2-Punkt Untergruppe	. . dial or slide operated
H01H 41/08	2-Punkt Untergruppe	. . keyboard operated
H01H 41/10	1-Punkt Untergruppe	. Switches with means for setting or mechanically storing a multidigit number
H01H 41/12	2-Punkt Untergruppe	. . dial or slide operated
H01H 41/14	2-Punkt Untergruppe	. . keyboard operated
H01H 43/00	**Hauptgruppe**	**Time or time-programme switches providing a choice of time-intervals for executing one or more switching actions and automatically terminating their operation after the programme is completed (clocks with attached or built-in means operating any device at preselected times or after preselected time intervals G04C 23/00)**
H01H 43/02	1-Punkt Untergruppe	. Details
H01H 43/04	2-Punkt Untergruppe	. . Means for time setting
H01H 43/06	3-Punkt Untergruppe	. . . comprising separately adjustable parts for each programme step, e.g. with tappets
H01H 43/08	3-Punkt Untergruppe	. . . comprising an interchangeable programme part which is common for all programme steps, e.g. with a punched card
H01H 43/10	1-Punkt Untergruppe	. with timing of actuation of contacts due to a part rotating at substantially constant speed
H01H 43/12	2-Punkt Untergruppe	. . stopping automatically after a single cycle of operation
H01H 43/14	3-Punkt Untergruppe	. . . wherein repetition of operation necessitates resetting of time intervals
H01H 43/16	2-Punkt Untergruppe	. . stopping automatically after a predetermined plurality of cycles of operation
H01H 43/24	1-Punkt Untergruppe	. with timing of actuation of contacts due to a non-rotatably moving part
H01H 43/26	2-Punkt Untergruppe	. . the actuation being produced by a substance flowing due to gravity, e.g. sand, water

Symbol	Typ	Titel
H01H 43/28	2-Punkt Untergruppe	. . the actuation being produced by a part, the speed of which is controlled by fluid-pressure means, e.g. by piston and cylinder
H01H 43/30	1-Punkt Untergruppe	. with timing of actuation of contacts due to thermal action
H01H 43/32	1-Punkt Untergruppe	. with timing of actuation of contacts due to electrolytic processes; with timing of actuation of contacts due to chemical processes
		Relays
H01H 45/00	**Hauptgruppe**	**Details of relays (electric circuit arrangements H01H 47/00; of electromagnetic relays H01H 50/00 ; details of electrically-operated selector switches H01H 63/00)**
H01H 45/02	1-Punkt Untergruppe	. Bases; Casings; Covers (frames for mounting two or more relays or for mounting a relay and another electric component H02B 1/01, H04Q 1/08, H05K)
H01H 45/04	2-Punkt Untergruppe	. . Mounting complete relay or separate parts of relay on a base or inside a case
H01H 45/06	2-Punkt Untergruppe	. . having windows; Transparent cases or covers
H01H 45/08	1-Punkt Untergruppe	. Indicators; Distinguishing marks
H01H 45/10	1-Punkt Untergruppe	. Electromagnetic or electrostatic shielding (casings H01H 45/02)
H01H 45/12	1-Punkt Untergruppe	. Ventilating; Cooling; Heating (for operating electrothermal relays H01H 61/013)
H01H 45/14	1-Punkt Untergruppe	. Terminal arrangements
H01H 47/00	**Hauptgruppe**	**Circuit arrangements not adapted to a particular application of the relay and designed to obtain desired operating characteristics or to provide energising current (circuit arrangements for electromagnets in general H01F 7/18)**
H01H 47/02	1-Punkt Untergruppe	. for modifying the operation of the relay
H01H 47/04	2-Punkt Untergruppe	. . for holding armature in attracted position, e.g. when initial energising circuit is interrupted; for maintaining armature in attracted position, e.g. with reduced energising current
H01H 47/06	3-Punkt Untergruppe	. . . by changing number of serially-connected turns or winding
H01H 47/08	3-Punkt Untergruppe	. . . by changing number of parallel-connected turns or windings
H01H 47/10	3-Punkt Untergruppe	. . . by switching-in or -out impedance external to the relay winding
H01H 47/12	2-Punkt Untergruppe	. . for biasing the electromagnet
H01H 47/14	2-Punkt Untergruppe	. . for differential operation of the relay
H01H 47/16	2-Punkt Untergruppe	. . for conjoint, e.g. additive, operation of the relay
H01H 47/18	2-Punkt Untergruppe	. . for introducing delay in the operation of the relay (short-circuited conducting sleeves, bands, or discs H01H 50/46)
H01H 47/20	2-Punkt Untergruppe	. . for producing frequency-selective operation of the relay
H01H 47/22	1-Punkt Untergruppe	. for supplying energising current for relay coil
H01H 47/24	2-Punkt Untergruppe	. . having light-sensitive input
H01H 47/26	2-Punkt Untergruppe	. . having thermo-sensitive input
H01H 47/28	2-Punkt Untergruppe	. . Energising current supplied by discharge tube
H01H 47/30	3-Punkt Untergruppe	. . . by gas-filled discharge tube
H01H 47/32	2-Punkt Untergruppe	. . Energising current supplied by semiconductor device

Symbol	Typ	Titel
H01H 47/34	2-Punkt Untergruppe	. . Energising current supplied by magnetic amplifier
H01H 47/36	2-Punkt Untergruppe	. . Relay coil or coils forming part of a bridge circuit
H01H 49/00	**Hauptgruppe**	**Apparatus or processes specially adapted to the manufacture of relays or parts thereof**
H01H 50/00	**Hauptgruppe**	**Details of electromagnetic relays (electric circuit arrangements H01H 47/00; details of electrically-operated selector switches H01H 63/00)**
H01H 50/02	1-Punkt Untergruppe	. Bases; Casings; Covers (frames for mounting two or more relays or for mounting a relay and another electric component H02B 1/01, H04Q 1/08, H05K)
H01H 50/04	2-Punkt Untergruppe	. . Mounting complete relay or separate parts of relay on a base or inside a case
H01H 50/06	2-Punkt Untergruppe	. . having windows; Transparent cases or covers
H01H 50/08	1-Punkt Untergruppe	. Indicators; Distinguishing marks
H01H 50/10	1-Punkt Untergruppe	. Electromagnetic or electrostatic shielding (casings H01H 50/02)
H01H 50/12	1-Punkt Untergruppe	. Ventilating; Cooling; Heating (for operating electrothermal relays H01H 61/013)
H01H 50/14	1-Punkt Untergruppe	. Terminal arrangements
H01H 50/16	1-Punkt Untergruppe	. Magnetic circuit arrangements (cores, yokes, or armatures in general H01F 3/00; magnets in general H01F 7/00)
H01H 50/18	2-Punkt Untergruppe	. . Movable parts of magnetic circuits, e.g. armature
H01H 50/20	3-Punkt Untergruppe	. . . movable inside coil and substantially lengthwise with respect to axis thereof; movable coaxially with respect to coil
H01H 50/22	4-Punkt Untergruppe	. . . . wherein the magnetic circuit is substantially closed
H01H 50/24	3-Punkt Untergruppe	. . . Parts rotatable or rockable outside coil
H01H 50/26	4-Punkt Untergruppe	. . . . Parts movable about a knife edge
H01H 50/28	4-Punkt Untergruppe	. . . . Parts movable due to bending of a blade spring or reed
H01H 50/30	3-Punkt Untergruppe	. . . Mechanical arrangements for preventing or damping vibration or shock, e.g. by balancing of armature
H01H 50/32	3-Punkt Untergruppe	. . . Latching movable parts mechanically
H01H 50/34	3-Punkt Untergruppe	. . . Means for adjusting limits of movement; Mechanical means for adjusting returning force
H01H 50/36	2-Punkt Untergruppe	. . Stationary parts of magnetic circuit, e.g. yoke
H01H 50/38	3-Punkt Untergruppe	. . . Part of main magnetic circuit shaped to suppress arcing between the contacts of the relay
H01H 50/40	3-Punkt Untergruppe	. . . Branched or multiple-limb main magnetic circuits
H01H 50/42	3-Punkt Untergruppe	. . . Auxiliary magnetic circuits, e.g. for maintaining armature in, or returning armature to, position of rest, for damping or accelerating movement
H01H 50/44	1-Punkt Untergruppe	. Magnetic coils or windings (circuit arrangements H01H 47/00; in general H01F 5/00)
H01H 50/46	2-Punkt Untergruppe	. . Short-circuited conducting sleeves, bands, or discs
H01H 50/54	1-Punkt Untergruppe	. Contact arrangements (contacts for switches in general H01H 1/00)
H01H 50/56	2-Punkt Untergruppe	. . Contact spring sets
H01H 50/58	3-Punkt Untergruppe	. . . Driving arrangements structurally associated therewith; Mounting of driving arrangement on armature

Symbol	Typ	Titel
H01H 50/60	2-Punkt Untergruppe	. . moving contact being rigidly combined with movable part of magnetic circuit
H01H 50/62	2-Punkt Untergruppe	. . Co-operating movable contacts operated by separate electrical actuating means
H01H 50/64	1-Punkt Untergruppe	. Driving arrangements between movable part of magnetic circuit and contact (structurally associated with contact spring sets H01H 50/58)
H01H 50/66	2-Punkt Untergruppe	. . with lost motion
H01H 50/68	2-Punkt Untergruppe	. . with snap action
H01H 50/70	2-Punkt Untergruppe	. . operating contact momentarily during stroke of armature
H01H 50/72	2-Punkt Untergruppe	. . for mercury contact
H01H 50/74	2-Punkt Untergruppe	. . Mechanical means for producing a desired natural frequency of operation of the contacts, e.g. for self-interrupter
H01H 50/76	3-Punkt Untergruppe	. . . using reed or blade spring
H01H 50/78	3-Punkt Untergruppe	. . . using diaphragm; using stretched wire or ribbon vibrating sideways
H01H 50/80	3-Punkt Untergruppe	. . . using torsionally vibrating member, e.g. wire, strip
H01H 50/82	3-Punkt Untergruppe	. . . using spring-loaded pivoted inertia member
H01H 50/84	3-Punkt Untergruppe	. . . with means for adjustment of frequency or of make-to-break ratio
H01H 50/86	1-Punkt Untergruppe	. Means for introducing a predetermined time delay between the initiation of the switching operation and the opening or closing of the contacts (circuit arrangements for introducing delay H01H 47/18; short-circuited conducting sleeves, bands, or discs H01H 50/46)
H01H 50/88	2-Punkt Untergruppe	. . Mechanical means, e.g. dash-pot
H01H 50/90	3-Punkt Untergruppe	. . . the delay being effective in both directions of operation
H01H 50/92	2-Punkt Untergruppe	. . Thermal means (inherent in electrothermal relays H01H 61/00)
H01H 51/00	**Hauptgruppe**	**Electromagnetic relays (relays using the dynamo-electric effect H01H 53/00)**
H01H 51/01	1-Punkt Untergruppe	. Relays in which the armature is maintained in one position by a permanent magnet and freed by energisation of a coil producing an opposing magnetic field [3]
H01H 51/02	1-Punkt Untergruppe	. Non-polarised relays (H01H 51/01 takes precedence) [3]
H01H 51/04	2-Punkt Untergruppe	. . with single armature; with single set of ganged armatures
H01H 51/06	3-Punkt Untergruppe	. . . Armature is movable between two limit positions of rest and is moved in one direction due to energisation of an electromagnet and after the electromagnet is de-energised is returned by energy stored during the movement in the first direction, e.g. by using a spring, by using a permanent magnet, by gravity
H01H 51/08	4-Punkt Untergruppe	. . . . Contacts alternately opened and closed by successive cycles of energisation and de-energisation of the electromagnet, e.g. by use of a ratchet
H01H 51/10	4-Punkt Untergruppe	. . . . Contacts retained open or closed by a mechanical latch which is controlled by an electromagnet
H01H 51/12	3-Punkt Untergruppe	. . . Armature is movable between two limit positions of rest and is moved in both directions due to the energisation of one or the other of two electromagnets without the storage of energy to effect the return movement
H01H 51/14	4-Punkt Untergruppe	. . . . without intermediate neutral position of rest
H01H 51/16	4-Punkt Untergruppe	. . . . with intermediate neutral position of rest

Symbol	Typ	Titel
H01H 51/18	3-Punkt Untergruppe	. . . Armature is rotatable through an unlimited number of revolutions
H01H 51/20	2-Punkt Untergruppe	. . with two or more independent armatures
H01H 51/22	1-Punkt Untergruppe	. Polarised relays
H01H 51/24	2-Punkt Untergruppe	. . without intermediate neutral position of rest
H01H 51/26	2-Punkt Untergruppe	. . with intermediate neutral position of rest
H01H 51/27	1-Punkt Untergruppe	. Relays with armature having two stable magnetic states and operated by change from one state to the other
H01H 51/28	1-Punkt Untergruppe	. Relays having both armature and contacts within a sealed casing outside which the operating coil is located, e.g. contact carried by a magnetic leaf spring or reed (H01H 51/27 takes precedence)
H01H 51/29	1-Punkt Untergruppe	. Relays having armature, contacts, and operating coil within a sealed casing (H01H 51/27 takes precedence)
H01H 51/30	1-Punkt Untergruppe	. specially adapted for actuation by ac
H01H 51/32	2-Punkt Untergruppe	. . Frequency relays; Mechanically-tuned relays
H01H 51/34	1-Punkt Untergruppe	. Self-interrupters, i.e. with periodic or other repetitive opening and closing of contacts
H01H 51/36	2-Punkt Untergruppe	. . wherein the make-to-break ratio is varied by hand setting or current strength
H01H 53/00	**Hauptgruppe**	**Relays using the dynamo-electric effect, i.e. relays in which contacts are opened or closed due to relative movement of current-carrying conductor and magnetic field caused by force of interaction between them**
H01H 53/01	1-Punkt Untergruppe	. Details
H01H 53/015	2-Punkt Untergruppe	. . Moving coils; Contact-driving arrangements associated therewith
H01H 53/02	1-Punkt Untergruppe	. Electrodynamic relays, i.e. relays in which the interaction is between two current-carrying conductors
H01H 53/04	2-Punkt Untergruppe	. . Ferrodynamic relays, i.e. relays in which the magnetic field is concentrated in ferromagnetic parts
H01H 53/06	1-Punkt Untergruppe	. Magnetodynamic relays, i.e. relays in which the magnetic field is produced by a permanent magnet
H01H 53/08	1-Punkt Untergruppe	. wherein a mercury contact constitutes the current-carrying conductor
H01H 53/10	1-Punkt Untergruppe	. Induction relays, i.e. relays in which the interaction is between a magnetic field and current induced thereby in a conductor
H01H 53/12	2-Punkt Untergruppe	. . Ferraris relays
H01H 53/14	1-Punkt Untergruppe	. Contacts actuated by an electric motor through fluid-pressure transmission, e.g. using a motor-driven pump
H01H 55/00	**Hauptgruppe**	**Magnetostrictive relays**
H01H 57/00	**Hauptgruppe**	**Electrostrictive relays; Piezo-electric relays**
H01H 59/00	**Hauptgruppe**	**Electrostatic relays; Electro-adhesion relays (clutches in general using the Johnson-Rahbek effect H02N 13/00)**
H01H 61/00	**Hauptgruppe**	**Electrothermal relays (thermal switches not operated by electrical input, thermal switches with anticipating electrical input H01H 37/00; thermally-sensitive members H01H 37/32)**
H01H 61/01	1-Punkt Untergruppe	. Details
H01H 61/013	2-Punkt Untergruppe	. . Heating arrangements for operating relays
H01H 61/017	3-Punkt Untergruppe	. . . Heating by glow discharge or arc in confined space
H01H 61/02	1-Punkt Untergruppe	. wherein the thermally-sensitive member is heated indirectly, e.g. resistively, inductively

Symbol	Typ	Titel
H01H 61/04	1-Punkt Untergruppe	. wherein the thermally-sensitive member is only heated directly
H01H 61/06	1-Punkt Untergruppe	. Self-interrupters, i.e. with periodic or other repetitive opening and closing of contacts
H01H 61/08	2-Punkt Untergruppe	. . wherein the make-to-break ratio is varied by hand setting or current strength
		Selectors [3]
H01H 63/00	**Hauptgruppe**	**Details of electrically-operated selector switches (details of relays H01H 45/00)**
H01H 63/02	1-Punkt Untergruppe	. Contacts; Wipers; Connections thereto
H01H 63/04	2-Punkt Untergruppe	. . Contact-making or contact-breaking wipers; Position indicators therefor
H01H 63/06	2-Punkt Untergruppe	. . Contact banks
H01H 63/08	3-Punkt Untergruppe	. . . cylindrical
H01H 63/10	3-Punkt Untergruppe	. . . plane
H01H 63/12	2-Punkt Untergruppe	. . Multiplying connections to contact banks, e.g. using ribbon cables
H01H 63/14	3-Punkt Untergruppe	. . . without soldering
H01H 63/16	1-Punkt Untergruppe	. Driving arrangements for multi-position wipers
H01H 63/18	2-Punkt Untergruppe	. . with step-by-step motion of wiper to a selector position
H01H 63/20	3-Punkt Untergruppe	. . . using stepping magnet and ratchet
H01H 63/22	3-Punkt Untergruppe	. . . using step-by-step electromagnetic drive without ratchet, e.g. self-interrupting driving magnet
H01H 63/24	2-Punkt Untergruppe	. . with continuous motion of wiper until a selected position is reached
H01H 63/26	3-Punkt Untergruppe	. . . with an individual clutch-drive from a shaft common to more than one selector switch
H01H 63/28	3-Punkt Untergruppe	. . . with an individual motor for each selector switch
H01H 63/30	4-Punkt Untergruppe	. . . . Pneumatic motor for moving wiper to selected position
H01H 63/32	4-Punkt Untergruppe	. . . . Spring motor for moving wiper to selected position
H01H 63/33	1-Punkt Untergruppe	. Constructional details of co-ordinate-type selector switches not having relays at cross-points
H01H 63/34	1-Punkt Untergruppe	. Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch
H01H 63/36	1-Punkt Untergruppe	. Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch
H01H 63/38	2-Punkt Untergruppe	. . for multi-position wiper switches
H01H 63/40	2-Punkt Untergruppe	. . for multi-position switches without wipers
H01H 63/42	3-Punkt Untergruppe	. . . for co-ordinate-type selector switches not having relays at cross-points
H01H 65/00	**Hauptgruppe**	**Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof**
H01H 67/00	**Hauptgruppe**	**Electrically-operated selector switches (details thereof H01H 63/00; selecting in general H04Q)**
H01H 67/02	1-Punkt Untergruppe	. Multi-position wiper switches
H01H 67/04	2-Punkt Untergruppe	. . having wipers movable only in one direction for purpose of selection
H01H 67/06	3-Punkt Untergruppe	. . . Rotary switches, i.e. having angularly movable wipers

Symbol	Typ	Titel
H01H 67/08	4-Punkt Untergruppe	. . . . with wiper selection
H01H 67/10	4-Punkt Untergruppe	. . . . with coarse and fine positioning of wipers
H01H 67/12	3-Punkt Untergruppe	. . . Linear-motion switches
H01H 67/14	2-Punkt Untergruppe	. . having wipers movable in two mutually perpendicular directions for purpose of selection
H01H 67/16	3-Punkt Untergruppe	. . . one motion being rotary and the other being parallel to the axis of rotation, e.g. Strowger or "up and around" switches
H01H 67/18	3-Punkt Untergruppe	. . . one motion being rotary and the other being perpendicular to the axis of rotation, e.g. "round and in" switches
H01H 67/20	3-Punkt Untergruppe	. . . both motions being linear
H01H 67/22	1-Punkt Untergruppe	. Switches without multi-position wipers
H01H 67/24	2-Punkt Untergruppe	. . Co-ordinate-type relay switches having an individual electromagnet at each cross-point
H01H 67/26	2-Punkt Untergruppe	. . Co-ordinate-type selector switches not having relays at cross-points but involving mechanical movement, e.g. cross-bar switch, code-bar switch
H01H 67/30	2-Punkt Untergruppe	. . Co-ordinate-type selector switches with field of co-ordinate coil acting directly upon magnetic leaf spring or reed-type contact member
H01H 67/32	2-Punkt Untergruppe	. . having a multiplicity of interdependent armatures operated in succession by a single coil and each controlling one contact or set of contacts, e.g. counting relay
		Emergency protective devices
H01H 69/00	**Hauptgruppe**	**Apparatus or processes for the manufacture of emergency protective devices (manufacture of switches in general H01H 11/00; manufacture of relays in general H01H 49/00)**
H01H 69/01	1-Punkt Untergruppe	. for calibrating or setting of devices to function under predetermined conditions (measuring electric values G01R)
H01H 69/02	1-Punkt Untergruppe	. Manufacture of fuses
H01H 71/00	**Hauptgruppe**	**Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00**
H01H 71/02	1-Punkt Untergruppe	. Housings; Casings; Bases; Mountings
H01H 71/04	1-Punkt Untergruppe	. Means for indicating condition of the switching device
H01H 71/06	1-Punkt Untergruppe	. Distinguishing marks, e.g. colour coding
H01H 71/08	1-Punkt Untergruppe	. Terminals; Connections (in general H01R)
H01H 71/10	1-Punkt Untergruppe	. Operating or release mechanisms
H01H 71/12	2-Punkt Untergruppe	. . Automatic release mechanisms with or without manual release
H01H 71/14	3-Punkt Untergruppe	. . . Electrothermal mechanisms
H01H 71/16	4-Punkt Untergruppe	. . . . with bimetal element
H01H 71/18	4-Punkt Untergruppe	. . . . with expanding rod, strip, or wire
H01H 71/20	4-Punkt Untergruppe	. . . . with fusible mass
H01H 71/22	4-Punkt Untergruppe	. . . . with compensation for variation of ambient temperature
H01H 71/24	3-Punkt Untergruppe	. . . Electromagnetic mechanisms
H01H 71/26	4-Punkt Untergruppe	. . . . with windings acting in opposition

Symbol	Typ	Titel
H01H 71/28	4-Punkt Untergruppe	. . . . with windings acting in conjunction
H01H 71/30	4-Punkt Untergruppe	. . . . having additional short-circuited winding
H01H 71/32	4-Punkt Untergruppe	. . . . having permanently magnetised part
H01H 71/34	4-Punkt Untergruppe	. . . . having two or more armatures controlled by a common winding
H01H 71/36	4-Punkt Untergruppe	. . . . frequency selective
H01H 71/38	4-Punkt Untergruppe	. . . . wherein the magnet coil also acts as arc blow-out device
H01H 71/40	3-Punkt Untergruppe	. . . Combined electrothermal and electromagnetic mechanisms
H01H 71/42	3-Punkt Untergruppe	. . . Induction-motor, induced-current, or electrodynamic release mechanisms
H01H 71/43	4-Punkt Untergruppe	. . . . Electrodynamic release mechanisms
H01H 71/44	3-Punkt Untergruppe	. . . having means for introducing a predetermined time delay (by short-circuited winding H01H 71/30; by additional armature H01H 71/34)
H01H 71/46	3-Punkt Untergruppe	. . . having means for operating auxiliary contacts additional to the main contacts
H01H 71/48	4-Punkt Untergruppe	. . . . with provision for short-circuiting the electrical input to the release mechanism after release of the switch, e.g. for protection of heating wire
H01H 71/50	2-Punkt Untergruppe	. . Manual reset mechanisms
H01H 71/52	3-Punkt Untergruppe	. . . actuated by lever
H01H 71/54	3-Punkt Untergruppe	. . . actuated by tumbler
H01H 71/56	3-Punkt Untergruppe	. . . actuated by rotatable knob or wheel
H01H 71/58	3-Punkt Untergruppe	. . . actuated by push-button, pull-knob, or slide
H01H 71/60	3-Punkt Untergruppe	. . . actuated by closure of switch casing
H01H 71/62	3-Punkt Untergruppe	. . . with means for preventing resetting while abnormal condition persists, e.g. loose handle arrangement
H01H 71/64	4-Punkt Untergruppe	. . . . incorporating toggle linkage
H01H 71/66	2-Punkt Untergruppe	. . Power reset mechanisms
H01H 71/68	3-Punkt Untergruppe	. . . actuated by electromagnet
H01H 71/70	3-Punkt Untergruppe	. . . actuated by electric motor
H01H 71/72	3-Punkt Untergruppe	. . . actuated automatically a limited number of times
H01H 71/74	1-Punkt Untergruppe	. Means for adjusting the conditions under which the device will function to provide protection
H01H 73/00	**Hauptgruppe**	**Protective overload circuit-breaking switches in which excess current opens the contacts by automatic release of mechanical energy stored by previous operation of a hand reset mechanism**
H01H 73/02	1-Punkt Untergruppe	. Details
H01H 73/04	2-Punkt Untergruppe	. . Contacts
H01H 73/06	2-Punkt Untergruppe	. . Housings; Casings; Bases; Mountings
H01H 73/08	3-Punkt Untergruppe	. . . Plug-in housings
H01H 73/10	3-Punkt Untergruppe	. . . Cartridge housings, e.g. screw-in housing

Symbol	Typ	Titel
H01H 73/12	2-Punkt Untergruppe	. . Means for indicating condition of the switch
H01H 73/14	3-Punkt Untergruppe	. . . Indicating lamp structurally associated with the switch
H01H 73/16	2-Punkt Untergruppe	. . Distinguishing marks, e.g. colour coding
H01H 73/18	2-Punkt Untergruppe	. . Means for extinguishing or suppressing arc
H01H 73/20	2-Punkt Untergruppe	. . Terminals; Connections (in general H01R)
H01H 73/22	1-Punkt Untergruppe	. having electrothermal release and no other automatic release (cartridge type H01H 73/62)
H01H 73/24	2-Punkt Untergruppe	. . reset by lever
H01H 73/26	2-Punkt Untergruppe	. . reset by tumbler
H01H 73/28	2-Punkt Untergruppe	. . reset by rotatable knob or wheel
H01H 73/30	2-Punkt Untergruppe	. . reset by push-button, pull-knob, or slide
H01H 73/32	2-Punkt Untergruppe	. . reset by closure of switch casing
H01H 73/34	2-Punkt Untergruppe	. . reset action requiring replacement or reconditioning of a fusible or explosive part
H01H 73/36	1-Punkt Untergruppe	. having electromagnetic release and no other automatic release (cartridge type H01H 73/64)
H01H 73/38	2-Punkt Untergruppe	. . reset by lever
H01H 73/40	2-Punkt Untergruppe	. . reset by tumbler
H01H 73/42	2-Punkt Untergruppe	. . reset by rotatable knob or wheel
H01H 73/44	2-Punkt Untergruppe	. . reset by push-button, pull-knob, or slide
H01H 73/46	2-Punkt Untergruppe	. . reset by closure of switch casing
H01H 73/48	1-Punkt Untergruppe	. having both electrothermal and electromagnetic automatic release (cartridge type H01H 73/66)
H01H 73/50	2-Punkt Untergruppe	. . reset by lever
H01H 73/52	2-Punkt Untergruppe	. . reset by tumbler
H01H 73/54	2-Punkt Untergruppe	. . reset by rotatable knob or wheel
H01H 73/56	2-Punkt Untergruppe	. . reset by push-button, pull-knob, or slide
H01H 73/58	2-Punkt Untergruppe	. . reset by closure of switch casing
H01H 73/60	1-Punkt Untergruppe	. cartridge type, e.g. screw-in cartridge
H01H 73/62	2-Punkt Untergruppe	. . having only electrothermal release
H01H 73/64	2-Punkt Untergruppe	. . having only electromagnetic release
H01H 73/66	2-Punkt Untergruppe	. . having combined electrothermal and electromagnetic release
H01H 75/00	**Hauptgruppe**	**Protective overload circuit-breaking switches in which excess current opens the contacts by automatic release of mechanical energy stored by previous operation of power reset mechanism**
H01H 75/02	1-Punkt Untergruppe	. Details
H01H 75/04	2-Punkt Untergruppe	. . Reset mechanisms for automatically reclosing a limited number of times (circuit arrangements H02H 3/06)
H01H 75/06	3-Punkt Untergruppe	. . . effecting one reclosing action only

Symbol	Typ	Titel
H01H 75/08	1-Punkt Untergruppe	. having only electrothermal release
H01H 75/10	1-Punkt Untergruppe	. having only electromagnetic release
H01H 75/12	1-Punkt Untergruppe	. having combined electrothermal and electromagnetic release
H01H 77/00	**Hauptgruppe**	**Protective overload circuit-breaking switches operated by excess current and requiring separate action for resetting (H01H 73/00, H01H 75/00 take precedence)**
H01H 77/02	1-Punkt Untergruppe	. in which the excess current itself provides the energy for opening the contacts, and having a separate reset mechanism
H01H 77/04	2-Punkt Untergruppe	. . with electrothermal opening
H01H 77/06	2-Punkt Untergruppe	. . with electromagnetic opening
H01H 77/08	3-Punkt Untergruppe	. . . retained closed by permanent or remanent magnetism and opened by windings acting in opposition
H01H 77/10	2-Punkt Untergruppe	. . with electrodynamic opening
H01H 79/00	**Hauptgruppe**	**Protective switches in which excess current causes the closing of contacts, e.g. for short-circuiting the apparatus to be protected**
H01H 81/00	**Hauptgruppe**	**Protective switches in which contacts are normally closed but are repeatedly opened and reclosed as long as a condition causing excess current persists, e.g. for current limiting**
H01H 81/02	1-Punkt Untergruppe	. electrothermally-operated
H01H 81/04	1-Punkt Untergruppe	. electromagnetically-operated
H01H 83/00	**Hauptgruppe**	**Protective switches, e.g. circuit-breaking switches, or protective relays operated by abnormal electrical conditions otherwise than solely by excess current**
H01H 83/02	1-Punkt Untergruppe	. operated by earth fault currents (H01H 83/14 takes precedence)
H01H 83/04	2-Punkt Untergruppe	. . with testing means for indicating the ability of the switch or relay to function properly
H01H 83/06	1-Punkt Untergruppe	. operated by current falling below a predetermined value
H01H 83/08	1-Punkt Untergruppe	. operated by reversal of dc
H01H 83/10	1-Punkt Untergruppe	. operated by excess voltage, e.g. for lightning protection
H01H 83/12	1-Punkt Untergruppe	. operated by voltage falling below a predetermined value, e.g. for no-volt protection
H01H 83/14	1-Punkt Untergruppe	. operated by unbalance of two or more currents or voltages, e.g. for differential protection
H01H 83/16	1-Punkt Untergruppe	. operated by abnormal ratio of voltage and current, e.g. distance relay
H01H 83/18	1-Punkt Untergruppe	. operated by abnormal product of, or abnormal phase angle between, voltage and current, e.g. directional relay
H01H 83/20	1-Punkt Untergruppe	. operated by excess current as well as by some other abnormal electrical condition
H01H 83/22	2-Punkt Untergruppe	. . the other condition being unbalance of two or more currents or voltages
H01H 85/00	**Hauptgruppe**	**Protective devices in which the current flows through a part of fusible material and this current is interrupted by displacement of the fusible material when this current becomes excessive (switches actuated by melting of fusible material H01H 37/76; automatic release of protective switches due to fusion of a mass H01H 73/00-H01H 83/00; disposition or arrangement of fuses on boards H02B 1/18)**
H01H 85/02	1-Punkt Untergruppe	. Details (electrical connections in general H01R)
H01H 85/04	2-Punkt Untergruppe	. . Fuses, i.e. expendable parts of the protective device, e.g. cartridges
H01H 85/041	3-Punkt Untergruppe	. . . characterised by the type [5]

Symbol	Typ	Titel
H01H 85/042	4-Punkt Untergruppe	. . . . General constructions or structure of high voltage fuses, i.e. above 1,000 V [5]
H01H 85/044	4-Punkt Untergruppe	. . . . General constructions or structure of low voltage fuses, i.e. below 1,000 V, or of fuses where the applicable voltage is not specified (H01H 85/046-H01H 85/048 take precedence) [5]
H01H 85/0445	5-Punkt Untergruppe	. . . . . fast or slow type (H01H 85/045-H01H 85/048 take precedence) [5]
H01H 85/045	5-Punkt Untergruppe	. . . . . cartridge type [5]
H01H 85/046	4-Punkt Untergruppe	. . . . Fuses formed as printed circuits [5]
H01H 85/047	4-Punkt Untergruppe	. . . . Vacuum fuses [5]
H01H 85/048	4-Punkt Untergruppe	. . . . Fuse resistors [5]
H01H 85/05	3-Punkt Untergruppe	. . . Component parts thereof [5]
H01H 85/055	4-Punkt Untergruppe	. . . . Fusible members [5]
H01H 85/06	5-Punkt Untergruppe	. . . . . characterised by the fusible material (H01H 85/11 takes precedence) [5]
H01H 85/08	5-Punkt Untergruppe	. . . . . characterised by the shape or form of the fusible member [5]
H01H 85/10	6-Punkt Untergruppe	. . . . . with constriction for localised fusing (H01H 85/11 takes precedence) [5]
H01H 85/11	6-Punkt Untergruppe	. . . . . with applied local area of a metal which, on melting, forms a eutectic with the main material of the fusible member, i.e. M-effect devices [5]
H01H 85/12	5-Punkt Untergruppe	. . . . . Two or more separate fusible members in parallel [5]
H01H 85/143	4-Punkt Untergruppe	. . . . Electrical contacts; Fastening fusible members to such contacts [5]
H01H 85/147	5-Punkt Untergruppe	. . . . . Parallel-side contacts [5]
H01H 85/15	5-Punkt Untergruppe	. . . . . Screw-in contacts [5]
H01H 85/153	5-Punkt Untergruppe	. . . . . Knife-blade-end contacts [5]
H01H 85/157	5-Punkt Untergruppe	. . . . . Ferrule-end contacts [5]
H01H 85/165	4-Punkt Untergruppe	. . . . Casings (electrical contacts H01H 85/143; fillings H01H 85/18) [5]
H01H 85/17	5-Punkt Untergruppe	. . . . . characterised by the casing material [5]
H01H 85/175	5-Punkt Untergruppe	. . . . . characterised by the casing shape or form [5]
H01H 85/18	4-Punkt Untergruppe	. . . . Casing fillings, e.g. powder
H01H 85/20	2-Punkt Untergruppe	. . Bases for supporting the fuse; Separate parts thereof (bases, casings for connectors, in general H01R)
H01H 85/22	2-Punkt Untergruppe	. . Intermediate or auxiliary parts for carrying, holding, or retaining fuse, co-operating with base or fixed holder, and removable therefrom for renewing the fuse
H01H 85/24	2-Punkt Untergruppe	. . Means for preventing insertion of incorrect fuse
H01H 85/25	2-Punkt Untergruppe	. . Safety arrangements preventing or inhibiting contact with live parts, including operation of isolation on removal of cover (interlocking between casing or protective shutter of a switch and mechanism for operating its contacts H01H 9/22) [5]
H01H 85/26	2-Punkt Untergruppe	. . Magazine arrangements
H01H 85/28	3-Punkt Untergruppe	. . . effecting automatic replacement

Symbol	Typ	Titel
H01H 85/30	2-Punkt Untergruppe	. . Means for indicating condition of fuse structurally associated with the fuse
H01H 85/32	3-Punkt Untergruppe	. . . Indicating lamp structurally associated with the protective device
H01H 85/34	2-Punkt Untergruppe	. . Distinguishing marks, e.g. colour coding
H01H 85/36	2-Punkt Untergruppe	. . Means for applying mechanical tension to fusible member
H01H 85/38	2-Punkt Untergruppe	. . Means for extinguishing or suppressing arc (by powder filling H01H 85/18; by mechanical tension applied to fusible member H01H 85/36)
H01H 85/40	3-Punkt Untergruppe	. . . using an arc-extinguishing liquid (characterised by the composition of the liquid H01H 33/22)
H01H 85/42	3-Punkt Untergruppe	. . . using an arc-extinguishing gas (characterised by the composition of the gas H01H 33/22)
H01H 85/43	2-Punkt Untergruppe	. . Means for exhausting or absorbing gases liberated by fusing arc, or for ventilating excess pressure generated by heating [5]
H01H 85/44	2-Punkt Untergruppe	. . Structural association with spark-gap arrester
H01H 85/46	2-Punkt Untergruppe	. . Circuit arrangements not adapted to a particular application of the protective device
H01H 85/47	2-Punkt Untergruppe	. . Means for cooling [5]
H01H 85/48	1-Punkt Untergruppe	. Protective devices wherein the fuse is carried or held directly by the base
H01H 85/50	2-Punkt Untergruppe	. . the fuse having contacts at opposite ends for co-operation with the base
H01H 85/52	2-Punkt Untergruppe	. . the fuse being adapted for screwing into the base
H01H 85/54	1-Punkt Untergruppe	. Protective devices wherein the fuse is carried, held, or retained by an intermediate or auxiliary part removable from the base, or used as sectionalisers
H01H 85/56	2-Punkt Untergruppe	. . the intermediate or auxiliary part having side contacts for plugging into the base, e.g. bridge-carrier type
H01H 85/58	3-Punkt Untergruppe	. . . with intermediate auxiliary part and base shaped to interfit and thereby enclose the fuse
H01H 85/60	2-Punkt Untergruppe	. . the intermediate or auxiliary part having contacts at opposite ends for co-operation with the base
H01H 85/62	2-Punkt Untergruppe	. . the intermediate or auxiliary part being adapted for screwing into the base
H01H 87/00	**Hauptgruppe**	**Protective devices in which a current flowing through a liquid or solid is interrupted by the evaporation of the liquid or by the melting and evaporation of the solid when the current becomes excessive, the circuit continuity being reestablished on cooling [3]**
H01H 89/00	***Hauptgruppe***	***Combinations of two or more different basic types of electric switches, relays, selectors and emergency protective devices, not covered by any single one of the other main groups of this subclass [2006.01]***
H01H 89/02	*1-Punkt Untergruppe*	*. Combination of a key operated switch with a manually operated switch, e.g. ignition and lighting switches [2006.01]*
H01H 89/04	*1-Punkt Untergruppe*	*. Combination of a thermally actuated switch with a manually operated switch [2006.01]*
H01H 89/06	*1-Punkt Untergruppe*	*. Combination of a manual reset circuit with a contactor, i.e. the same circuit controlled by both a protective and a remote control device [2006.01]*
H01H 89/08	*2-Punkt Untergruppe*	*. . with both devices using the same contact pair [2006.01]*
H01H 89/10	*3-Punkt Untergruppe*	*. . . with each device controlling one of the two co-operating contacts [2006.01]*