SECTION H — ELECTRICITY

H01 ELECTRIC ELEMENTS

H01H ELECTRIC SWITCHES; RELAYS; SELECTORS; EMERGENCY PROTECTIVE DEVICES (contact cables H01B 7/10; electrolytic self-interrupters H01G 9/18; emergency protective circuit arrangements H02H; switching by electronic means without contact-making H03K 17/00)

Note(s) [4]

- 1. This subclass <u>covers</u>, in groups H01H 69/00-H01H 87/00 devices for the protection of electric lines or electric machines or apparatus in the event of undesired change from normal electric working conditions, the electrical condition serving directly as the input to the device.
- This subclass <u>does not cover</u> bases, casings, or covers accommodating two or more switching devices or for accommodating a switching device as well as another electric component, e.g. bus-bar, line connector. Those bases, casings or covers are covered by group H02B 1/26.
- 3. In this subclass, the following terms or expressions are used with the meanings indicated:
 - "relay" means a switching device having contacts which are operated from electric inputs which supply, directly or indirectly, all the
 mechanical energy necessary to cause both the closure and the opening of the contacts;
 - "driving mechanism" refers to the means by which an operating force applied to the switch is transmitted to the moving contact or contacts:
 - "operating" is used in a broader sense than "actuating" which is reserved for those parts not touched by hand to effect switching;
 - "acting" or "action" means a self-induced movements of parts at one stage of the switching. These connotations apply to all parts of the verbs "to operate"; "to actuate", and "to act", and to words derived therefrom, e.g. to "actuation".
- 4. In this subclass, details are classified as follows:
 - details of an unspecified type of switching device, or disclosed as applicable to two or more kinds of switching devices designated by the terms or expressions "switches", "relays", "selector switches", and "emergency protective devices", are classified in groups H01H 1/00-H01H 9/00;
 - details of an unspecified type of switch, or disclosed as applicable to two or more types of switches as defined by groups H01H 13/00-H01H 43/00 and subgroups H01H 35/02, H01H 35/06, H01H 35/14, H01H 35/18, H01H 35/24, and H01H 35/42, all hereinafter called basic types, are classified in groups H01H 1/00-H01H 9/00;
 - details of an unspecified type of relay, or disclosed as applicable to two or more types of relays as defined by groups H01H 51/00-H01H 61/00, hereinafter called basic types, are classified in group H01H 45/00;
 - details of an unspecified protective device, or applicable to two or more types of protective devices as defined by groups H01H 73/00-H01H 83/00, hereinafter called basic types, are classified in group H01H 71/00.
 - However, details only described with reference to, or clearly only applicable to, switching devices of a single basic type, are classified in the group appropriate to switching devices of that basic type, e.g. H01H 19/02, H01H 75/04;
 - mechanical structural details of control members of switches or of keyboards such as keys, push-buttons, levers or other
 mechanisms for transferring the force to the activated elements are classified in this subclass, even when they are used for
 controlling electronic switches.

However, mechanical details directly producing electronic effects are classified in group H03K 17/94.

Subclass index

ELECTRIC SWITCHES

Characterised by the principle of control

mechanical

	rectilinearly movable: one direction; two directions	13/00, 15/00
	with angular displacement: unlimited angle; limited angle	· ·
	by pulling; by tumbling	
	with compound movements	25/00
	by removable members	27/00
	physical	
Ch	general; electric or magnetic field; heat; explosionaracterised by the contacts	35/00, 36/00, 37/00, 39/00
Ch	liquidnaracterised by the voltage or the intensity	29/00
Ch	without arc-extinguishing means; with such meansnaracterised by the actuation duration	31/00, 33/00
	manual; programme	
7. /		11/00

RELAYS				
	agnetic; dynamo-electric; magnetostrictive ictive or piezoelectric; electrostatic; electrothermal			
Details	icuve of prezoefectife, electrostatic, electrothermal	••••••	••••	
-	al; electromechanical; circuits			
Manufacti SELECTORS	ure	•••••	•••••	49/00
	·			67/00
_				
SECTIONAL	ure	•••••	••••	55/00
low-tension	on with blade-type contact			
U	ension With fuses			
PROTECTIV		••••••	•••••	03/34
Circuit-br	reaking switches			
	resetting: manual; by motor; separate		•••••	73/00, 75/00, 77/00
Protective by she				79/00 81/00 83/00
	ort-circuit; opening and closing; particularaporation devices			
	protective switches and relays			
	ure IONS			
GENERAL D		••••••	•••••	
		•••••	••••	1/00
Mechanis	ms ting contacts in general; snap-action; delay			3/00 5/00 7/00
	ails			
Electric swite	ches	1/16		 • by rolling; by wrapping; Roller or ball
		1/10		contacts [1, 2006.01]
	ontacts (liquid contacts H01H 29/04) [1, 2006.01]	1/18		• • with subsequent sliding [1, 2006.01]
	characterised by the material thereof [1, 2006.01]Composite material [2006.01]	1/20 1/22		• Bridging contacts [1, 2006.01]• with rigid pivoted member carrying the moving
	•	1/22	•	contact [1, 2006.01]
	ote(s) [2006.01]	1/24	•	• • with resilient mounting [1, 2006.01]
1.	In this group, the following expression is used with the meaning indicated:	1/26		• • • with spring blade support [1, 2006.01]
	 "composite material" is a material made of 	1/28	•	 • • • Assembly of three or more contact- supporting spring blades [1, 2006.01]
	two or more different materials, e.g. coated material, layered materials or carbon fibres	1/30		• • • within supporting guides [1, 2006.01]
	in a copper base or matrix.	1/32	•	• • Self-aligning contacts [1, 2006.01]
2.	Subject matter classifiable in more than one of	1/34	•	• with provision for adjusting position of contact
	groups H01H 1/023-H01H 1/029 should be classified in all relevant groups.	1/36		relative to its co-operating contact [1, 2006.01] • by sliding [1, 2006.01]
1/023 •	 having a noble metal as the basic 	1/38		 Plug-and-socket contacts [1, 2006.01]
	material [2006.01]	1/40		Contact mounted so that its contact-making
	• • • and containing carbides [2006.01]			surface is flush with adjoining
	• and containing oxides [2006.01]• having copper as the basic material [2006.01]	1/42		insulation [1, 2006.01] • Knife-and-clip contacts [1, 2006.01]
	 containing carbon particles or fibres [2006.01] 	1/44		 with resilient mounting [1, 2006.01]
	comprising conducting material dispersed in an	1/46		• • self-aligning contacts [1, 2006.01]
4.40.4	elastic support or binding material [2006.01]	1/48	•	• • with provision for adjusting position of contact
1/04 •	 Co-operating contacts of different material [1, 2006.01] 	1/50		relative to its co-operating contact [1, 2006.01] Means for increasing contact pressure, preventing
1/06 •	characterised by the shape or structure of the contact-	1/30		vibration of contacts, holding contacts together after
	making surface, e.g. grooved [1, 2006.01]			engagement, or biasing contacts to the open
	• wetted with mercury [1, 2006.01] • Laminated contacts with divided contact	1/52		position [1, 2006.01]Contacts adapted to act as latches [1, 2006.01]
1/10 •	 Laminated contacts with divided contact surface [1, 2006.01] 	1/54		 by magnetic force [1, 2006.01]
1/12 •	characterised by the manner in which co-operating	1/56		Contact arrangements for providing make-before-
1/14	contacts engage [1, 2006.01]			break operation, e.g. for on-load tap-
1/14 •	• by abutting [1, 2006.01]	1/58		changing [1, 2006.01] Electric connections to or between contacts;
		. 20		Terminals [1, 2006.01]

-	1/60	Auxiliary means structurally asso switch for cleaning or lubricating surfaces (cleaning by normal slidi H01H 1/18, H01H 1/36) [1, 2006	contact-making ing of contacts
-	1/62	Heating or cooling of contacts [1,	2006.01]
-	1/64	Protective enclosures, baffle plate contacts [1, 2006.01]	es, or screens for
	1/66	• Contacts sealed in an evacuate	d or gas-filled
		envelope, e.g. magnetic dry-recontacts [1, 2006.01]	
3	3/00	echanisms for operating contact release means H01H 37/02) [1, 20	
5	3/02	Operating parts, i.e. for operating by a mechanical force external to switch [1, 2006.01]	the
3	3/04	• Levers (tumblers H01H 23/14)	
3	3/06	 Means for securing to shaft mechanism [1, 2006.01] 	of driving
3	3/08	• Turn knobs [1, 2006.01]	
3	3/10	 Means for securing to shaft mechanism [1, 2006.01] 	of driving
-	3/12	• Push-buttons [1, 2006.01]	
	3/14	adapted for operation by a part other than the hand, e.g. by for	ot [1, 2006.01]
	3/16	 adapted for actuation at a limit predetermined position in the prelative movement of switch as primarily for a purpose other the the switch, e.g. for a door switch floor-levelling switch of a lift 	oath of a body, the nd body being nan the actuation of ch, a limit switch, a
3	3/18	 the movement in one direction intentionally by hand, e.g. f automatically cancelled traff 	or setting
3	3/20	 wherein an auxiliary movemen attachment thereto, is necessar movement is possible or effect unlatching, for coupling [1, 20 	y before the main ive, e.g. for
3	3/22	Power arrangements internal to the operating the driving mechanism	e switch for
3	3/24	• using pneumatic or hydraulic a	ectuator [1, 2006.01]
3	3/26	• using dynamo-electric motor (a spring motor H01H 3/30) [1,	2006.01]
3	3/28	 using electromagnet (for storin motor H01H 3/30; for operation H01H 45/00) [1, 2006.01] 	
3	3/30	• using spring motor [1, 2006.01	.]
3	3/32	Driving mechanisms, i.e. for transforce to the contacts (snap-action H01H 5/00; introducing a predete H01H 7/00) [1, 2006.01]	arrangements
3	3/34	• using ratchet [1, 2006.01]	
3	3/36	• using belt, chain, or cord [1, 20	006.01]
3	3/38	 using spring or other flexible s coupling [1, 2006.01] 	haft
3	3/40	 using friction, toothed, or screen gearing [1, 2006.01] 	
3	3/42	• using cam or eccentric [1, 200	6.01]
3	3/44	• using Geneva movement [1, 20	006.01]
	2/40	1 1 1 1	1 [4 0000 04]

using rod or lever linkage, e.g. toggle [1, 2006.01]

with indexing or locating means, e.g. indexing by

with means to ensure stopping at intermediate

parts, driving mechanisms, or contacts [1, 2006.01]

· Mechanisms for coupling or uncoupling operating

using lost-motion device [1, 2006.01]

ball and spring [1, 2006.01]

operative positions [1, 2006.01]

3/46

3/48

3/50

3/52

3/54

- 3/56 using electromagnetic clutch [1, 2006.01] using friction, toothed, or other mechanical 3/58 clutch [1, 2006.01] 3/60 Mechanical arrangements for preventing or damping vibration or shock [1, 2006.01] Lubricating means structurally associated with the 3/62 switch (for lubricating contact-making surfaces H01H 1/60) [1, 2006.01] 5/00 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 [1, 2006.01] 5/02 Energy stored by the attraction or repulsion of magnetic parts [1, 2006.01] 5/04 Energy stored by deformation of elastic members (by deformation of bimetallic element in thermallyactuated switches H01H 37/54) [1, 2006.01] 5/06 by compression or extension of coil springs [1, 2006.01] one end of spring transmitting movement to the 5/08 contact member when the other end is moved by the operating part **[1, 2006.01]** one end of spring being fixedly connected to 5/10 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 [1, 2006.01] 5/12 having two or more snap-action motions in succession [1, 2006.01] 5/14 by twisting of torsion members [1, 2006.01] 5/16 with auxiliary means for temporarily holding parts until torsion member is sufficiently strained [1, 2006.01] 5/18 by flexing of blade springs [1, 2006.01] single blade moved across dead-centre 5/20 position [1, 2006.01] 5/22 blade spring with at least one snap-acting leg and at least one separate contact-carrying or contact-actuating leg [1, 2006.01] 5/24 having three legs [1, 2006.01] 5/26 having two or more snap-action motions in succession [1, 2006.01] two separate blade springs forming a 5/28 toggle [1, 2006.01] by buckling of disc springs [1, 2006.01] 5/30 7/00 Devices for introducing a predetermined time delay between the initiation of the switching operation and the opening or closing of the contacts (time or timeprogramme switches H01H 43/00) [1, 2006.01] 7/02 with fluid timing means [1, 2006.01] 7/03 with dash-pots [1, 2006.01] 7/04 with flies, i.e. fan governors [1, 2006.01] 7/06 • with thermal timing means [1, 2006.01] 7/08 with timing by mechanical speed-control devices [1, 2006.01] 7/10 by escapement [1, 2006.01]
- 7/12 • mechanical [1, 2006.01] 7/14 electromagnetic [1, 2006.01] 7/16 Devices for ensuring operation of the switch at a predetermined point in the AC cycle (circuit arrangements H01H 9/56) [1, 2006.01] 9/00 Details of switching devices, not covered by groups H01H 1/00-H01H 7/00 [1, 2006.01]

9/02	Bases, casings, or covers (accommodating more than one switch or a switch and another electrical	11/00	Apparatus or processes specially adapted for the manufacture of electric switches (processes specially
9/04	component H02B 1/26) [1, 2006.01] Dustproof, splashproof, drip-proof, waterproof, or		adapted for manufacture of rectilinearly movable switches having a plurality of operating members
0./00	flameproof casings [1, 2006.01]		associated with different sets of contacts, e.g. keyboards, H01H 13/88) [1, 2006.01]
9/06	 Casing of switch constituted by a handle serving a purpose other than the actuation of the switch, e.g. 	11/02	• for mercury switches [1, 2006.01]
	by the handle of a vacuum cleaner [1, 2006.01]	11/04	• of switch contacts [1, 2006.01]
9/08	 Arrangements to facilitate replacement of switch, e.g. cartridge housing [1, 2006.01] 	11/06	• • Fixing of contacts to carrier [1, 2006.01]
9/10	 Adaptation for built-in fuses (mounting switch and 	13/00	Switches having rectilinearly-movable operating part
	fuse separately on, or in, common support H02B 1/18) [1, 2006.01]		or parts adapted for pushing or pulling in one direction only, e.g. push-button switch (wherein the
9/12	• Means for earthing parts of switch not normally		operating part is flexible H01H 17/00) [1, 2006.01]
	conductively connected to the contacts [1, 2006.01]	13/02	• Details [1, 2006.01]
9/14	• Adaptation for built-in safety spark gaps [1, 2006.01]	13/04	• • Cases; Covers [1, 2006.01]
9/16	Indicators for switching condition, e.g. "on" or "off" [1, 2006.01]	13/06	• • Dustproof, splashproof, drip-proof, waterproof, or flameproof casings [1, 2006.01]
9/18	 Distinguishing marks on switches, e.g. for indicating 	13/08	Casing of switch constituted by a handle
3/10	switch location in the dark; Adaptation of switches to receive distinguishing marks [1, 2006.01]		serving a purpose other than the actuation of the switch [1, 2006.01]
9/20	 Interlocking, locking, or latching 	13/10	• • Bases; Stationary contacts mounted
0./22	mechanisms [1, 2006.01]	13/12	thereon [1, 2006.01] • Movable parts; Contacts mounted
9/22	 for interlocking between casing, cover, or protective shutter and mechanism for operating 		thereon [1, 2006.01]
0/24	contacts [1, 2006.01]	13/14 13/16	• Operating parts, e.g. push-button [1, 2006.01]• adapted for operation by a part of the human
9/24	 for interlocking two or more parts of the mechanism for operating contacts [1, 2006.01] 	13/10	body other than the hand, e.g. by
9/26	 for interlocking two or more switches (by a detachable member H01H 9/28) [1, 2006.01] 	13/18	foot [1, 2006.01] • • • adapted for actuation at a limit or other
9/28	 for locking switch parts by a key or equivalent removable member (switches operated by a key 		predetermined position in the path of a body, the relative movement of switch and body
	H01H 27/00; locking by removable part of two-part coupling device H01R) [1, 2006.01]		being primarily for a purpose other than the actuation of the switch, e.g. door switch,
9/30	 Means for extinguishing or preventing arc between current-carrying parts [1, 2006.01] 		limit switch, floor-levelling switch of a lift [1, 2006.01]
9/32	 Insulating body insertable between 	13/20	• • • Driving mechanisms [1, 2006.01]
	contacts [1, 2006.01] • Stationary parts for restricting or subdividing the	13/22	• • • acting with snap action (depending upon deformation of elastic members
	arc, e.g. barrier plate [1, 2006.01]	13/24	H01H 13/26) [1, 2006.01] • • • with means for introducing a predetermined
	• • Metal parts [1, 2006.01]• • Auxiliary contacts on to which the arc is		time delay [1, 2006.01]
	transferred from the main contacts (using arcinghorns H01H 9/46) [1, 2006.01]	13/26	 Snap-action arrangements depending upon deformation of elastic members [1, 2006.01]
9/40	Multiple main contacts for the purpose of dividing	13/28	 using compression or extension of coil springs [1, 2006.01]
	the current through, or potential drop along, the arc [1, 2006.01]	13/30	• • • • one end of spring transmitting movement to
9/42	 Impedances connected with contacts [1, 2006.01] 		the contact member when the other end is
9/44	• using blow-out magnet [1, 2006.01]	12/22	moved by the operating part [1, 2006.01] • • • one end of spring being fixedly connected to
9/46	• using arcing horns (using blow-out magnet H01H 9/44) [1, 2006.01]	13/32	• • • 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
9/48	 Means for preventing discharge to non-current- carrying parts, e.g. using corona ring [1, 2006.01] 		stationary rigid member respectively through pins, cams, toothed, or other shaped
9/50	 Means for detecting the presence of an arc or discharge [1, 2006.01] 		surfaces [1, 2006.01]
9/52	• Cooling of switch parts (cooling of contacts H01H 1/62) [1, 2006.01]	13/34	• • • having two or more snap-action motions in succession [1, 2006.01]
9/54	Circuit arrangements not adapted to a particular	13/36	• • • using flexing of blade springs [1, 2006.01]
3/54	application of the switching device and for which no provision exists elsewhere [1, 2006.01]	13/38	• • • • Single blade moved across dead-centre position [1, 2006.01]
9/56	 for ensuring operation of the switch at a predetermined point in the AC cycle [1, 2006.01] 	13/40	• • • Blade spring with at least one snap-acting leg and at least one separate contactcarrying
		13/42	or contact-actuating leg [1, 2006.01] • • • • having three legs [1, 2006.01]
		13/44	• • • having time legs [1, 2006.01]
			succession [1, 2006.01]
		13/46	• • • two separate blade springs forming a toggle [1, 2006.01]

13/48	• • • using buckling of disc springs [1, 2006.01]	13/74 • • each contact set returning to its original state
13/50	 having a single operating member [1, 2006.01] 	only upon actuation of another of the operating
13/52	 the contact returning to its original state 	members [1, 2006.01]
	immediately upon removal of operating force, e.g.	 • wherein some or all of the operating members actuate different combinations of the contact sets,
10/54	bell push switch [1, 2006.01]	e.g. ten operating members actuating different
13/54	 the contact returning to its original state a predetermined time interval after removal of 	combinations of four contact sets [1, 2006.01]
	operating force, e.g. for staircase	13/78 • characterised by the contacts or the contact
	lighting [1, 2006.01]	sites [2006.01]
13/56	the contact returning to its original state upon the	13/785 • • • characterised by the material of the contacts,
	next application of operating force [1, 2006.01]	e.g. conductive polymers [2006.01]
13/58	 • with contact-driving member rotated step-wise 	13/79 • • • characterised by the form of the contacts, e.g.
	in one direction [1, 2006.01]	interspersed fingers or helical
13/60	• • • with contact-driving member moved alternately	networks [2006.01] 13/80 • • • characterised by the manner of cooperation of
12/62	in opposite directions [1, 2006.01]	the contacts, e.g. with both contacts movable or
13/62	 the contact returning to its original state upon manual release of a latch (latch released by second 	with bounceless contacts [2006.01]
	push-button H01H 13/68) [1, 2006.01]	13/803 • • • characterised by the switching function thereof,
13/64	 wherein the switch has more than two electrically 	e.g. normally closed contacts or consecutive
	distinguishable positions, e.g. multi-position push-	operation of contacts [2006.01]
	button switches [1, 2006.01]	13/807 • • • characterised by the spatial arrangement of the
13/66	• • • the operating member having only two	contact sites, e.g. superimposed sites [2006.01] 13/81 • characterised by electrical connections to external
12/60	positions [1, 2006.01]	13/81 • • characterised by electrical connections to external devices [2006.01]
13/68	 having two operating members, one for opening and one for closing the same set of contacts (single 	13/82 • characterised by contact space venting
	operating member protruding from different sides of	means [2006.01]
	switch casing for alternate pushing upon opposite	13/83 • • characterised by legends, e.g. Braille, liquid
	ends H01H 15/22) [1, 2006.01]	crystal displays, light emitting or optical
13/70	having a plurality of operating members associated	elements [2006.01]
	with different sets of contacts, e.g. keyboard (mounting together a plurality of independent	 13/84 • characterised by ergonomic functions, e.g. for miniature keyboards; characterised by operational
	switches H02B) [1, 2006.01]	sensory functions, e.g. sound feedback (legends
13/702	•	H01H 13/83) [2006.01]
	multilayer structure, e.g. membrane	13/85 • • • characterised by tactile feedback
	switches [7, 2006.01]	features [2006.01]
13/703		• • characterised by the casing, e.g. sealed casings or
10/704	carrying layers [2006.01]	casings reducible in size [2006.01]
13/704	• • • characterised by the layers, e.g. by their material or structure (H01H 13/703 takes	 13/88 • Processes specially adapted for manufacture of rectilinearly movable switches having a plurality
	precedence) [2006.01]	of operating members associated with different
13/705	• • • characterised by construction, mounting or	sets of contacts, e.g. keyboards [2006.01]
	arrangement of operating parts, e.g. push-	15/00 S-italian harring modilinaryly manually annualing and
	buttons or keys [7, 2006.01]	15/00 Switches having rectilinearly-movable operating part or parts adapted for actuation in opposite directions,
13/7057	 67 • • • characterised by the arrangement of operating parts in relation to each other, e.g. 	e.g. slide switch [1, 2006.01]
	pre-assembled groups of keys [2006.01]	15/02 • Details [1, 2006.01]
13/7065		15/04 • • Stationary parts; Contacts mounted
	keys and layered keyboards [2006.01]	thereon [1, 2006.01]
13/7073		15/06 • • Movable parts; Contacts mounted
	springs [2006.01]	thereon [1, 2006.01]
13/708		15/08 • • • Contact arrangements for providing make- before-break operation, e.g. for on-load tap-
	carried by insulating members (H01H 13/705 takes precedence) [7, 2006.01]	changing [1, 2006.01]
13/712		15/10 • • • Operating parts [1, 2006.01]
13//12	substantially flat [7, 2006.01]	15/12 • • • adapted for operation by a part of the human
13/715		body other than the hand, e.g. by
	which is not secured to or part of a supporting	foot [1, 2006.01]
	layer, e.g. a snap dome (H01H 13/705 takes	15/14 • • • adapted for actuation at a limit or other
40 /546	precedence) [7, 2006.01]	predetermined position in the path of a body, the relative movement of switch and body
13/718	 in which some or all of the movable contacts are formed in a single conductive plate, e.g. 	being primarily for a purpose other than the
	formed by punching sheet metal (H01H 13/705	actuation of the switch, e.g. door switch,
	takes precedence) [7, 2006.01]	limit switch, floor-levelling switch of a
13/72	 wherein the switch has means for limiting the 	lift [1, 2006.01]
	number of operating members that can	15/16 • • • Driving mechanisms [1, 2006.01]
	concurrently be in the actuated	15/18 • • • acting with snap action [1, 2006.01]
	position [1, 2006.01]	15/20 • • • • with means for introducing a predetermined time delay [1, 2006.01]

15/20 • • • with means for introducing a predetermined time delay **[1, 2006.01]**

15/22	 having a single operating part protruding from different sides of switch casing for alternate actuation from opposite ends [1, 2006.01] 	19/16	• • • adapted for operation by a part of the human body other than the hand, e.g. by foot [1, 2006.01]
15/24	 having a single operating part only protruding from one side of the switch casing for alternate pushing and pulling [1, 2006.01] 	19/18	• • • • 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
17/00	Switches having flexible operating part adapted only for pulling, e.g. cord, chain [1, 2006.01]		actuation of the switch, e.g. door switch, limit switch, floor-levelling switch of a
17/02	• Details [1, 2006.01]		lift [1, 2006.01]
17/04	• • Stationary parts (guides H01H 17/14) [1, 2006.01]	19/20	Driving mechanisms allowing angular
17/06	• • Movable parts (guides H01H 17/14) [1, 2006.01]		displacement of the operating part to be effective in either direction [1, 2006.01]
17/08	• • • Operating part, e.g. cord [1, 2006.01]	10/22	
17/10	• • • adapted for operation by a part of the human	19/22	• • • • incorporating lost motion [1, 2006.01]
	body other than the hand, e.g. by	19/24	• • • acting with snap action [1, 2006.01]• • with means for introducing a predetermined
17/10	foot [1, 2006.01]	19/26	time delay [1, 2006.01]
17/12	• • • adapted for actuation at a limit or other predetermined position in the path of a body,	19/28	Driving mechanisms allowing angular
	the relative movement of switch and body being primarily for a purpose other than the	13/20	displacement of the operating part to be effective or possible in only one
	actuation of the switch, e.g. door switch,		direction [1, 2006.01]
	limit switch, floor-levelling switch of a	19/30	• • • incorporating lost motion [1, 2006.01]
17/14	lift [1, 2006.01] • Guiding means for flexible operating	19/32	• • • acting with snap action [1, 2006.01]
17/14	part [1, 2006.01] having a single flexible operating part adapted for	19/34	• • • with means for introducing a predetermined time delay [1, 2006.01]
	pulling at one end only [1, 2006.01]	19/36	the operating part having only two operative positions, e.g. relatively displaced by
17/18	 secured to a part of the switch driving mechanism that has only angular movement [1, 2006.01] 	10/20	180° [1, 2006.01]
17/20	• • the contact returning to its original state	19/38	• • Change-over switches [1, 2006.01]
17720	immediately upon removal of operating	19/40	• • • having only axial contact pressure [1, 2006.01]
	force [1, 2006.01]	19/42	 providing more than two electrically-different conditions, e.g. for closing either or both of two
17/22	• • the contact returning to its original state upon		circuits [1, 2006.01]
	the next application of operating	19/44	 having only axial contact pressure [1, 2006.01]
	force [1, 2006.01]	19/46	 the operating part having three operative positions,
17/24	 secured to a part of the switch driving mechanism 	107.10	e.g. off/star/delta [1, 2006.01]
	that has both angular and rectilinear	19/48	 having only axial contact pressure [1, 2006.01]
17/26	motion [1, 2006.01] • having two flexible operating parts; having a single	19/50	 the operating part having four operative positions,
17/20	operating part adapted for pulling at both ends [1, 2006.01]		e.g. off/two-in-series/one-only/two-in-parallel [1, 2006.01]
17/28	 secured to a part or parts of the switch driving 	19/52	 having only axial contact pressure [1, 2006.01]
	mechanism having only rectilinear	19/54	the operating part having at least five or an
	motion [1, 2006.01]		unspecified number of operative positions [1, 2006.01]
17/30	 secured to a part or parts of the switch driving 	19/56	Angularly-movable actuating part carrying
	mechanism having only angular	13/30	contacts, e.g. drum switch [1, 2006.01]
	motion [1, 2006.01]	19/58	 having only axial contact pressure, e.g. disc
19/00	Switches operated by an operating part which is		switch, wafer switch [1, 2006.01]
	rotatable about a longitudinal axis thereof and which is acted upon directly by a solid body external to the	19/60	 Angularly-movable actuating part carrying no contacts [1, 2006.01]
	switch, e.g. by a hand [1, 2006.01]	19/62	• • • Contacts actuated by radial cams [1, 2006.01]
19/02	• Details [1, 2006.01]	19/63	• • • Contacts actuated by axial cams [2, 2006.01]
19/03	 Means for limiting the angle of rotation of the operating part [2006.01] 	19/635	 Contacts actuated by rectilinearly-movable member linked to operating part, e.g. by pin
19/04	• • Cases; Covers [1, 2006.01]	40:=:	and slot [2006.01]
19/06	• • Dustproof, splashproof, drip-proof, waterproof, or flameproof casings [1, 2006.01]	19/64	Encased switches adapted for ganged operation when assembled in a line with identical switches, e.g. The lead of the leaf 12000 011. The lead of the leaf 12000 011.
19/08	• • Bases; Stationary contacts mounted thereon [1, 2006.01]	21/00	stacked switches [1, 2006.01]
19/10	 Movable parts; Contacts mounted thereon [1, 2006.01] 	41/UU	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
19/11	• • • with indexing means [2006.01]		H01H 23/00; switches having an operating part movable
19/12	 Contact arrangements for providing make- before-break operation, e.g. for on-load tap- 		angularly in more than one plane H01H 25/04) [1, 2006.01]
	changing [1, 2006.01]	21/02	• Details [1, 2006.01]
19/14	• • • Operating parts, e.g. turn knob [1, 2006.01]	21/04	• • Cases; Covers [1, 2006.01]

21/06	•	•	 interlocked with operating mechanism [1, 2006.01] 	21/86	 Switches with abutting contact carried by operating part, e.g. telegraph tapping key [1, 2006.01]
21/08	•	•		21/88	• • with intermediate position of rest [1, 2006.01]
21/10				23/00	Tumbler or rocker switches, i.e. switches
21/10			serving a purpose other than the actuation of the switch [1, 2006.01]		characterised by being operated by rocking an operating member in the form of a rocker
21/12	•	•	Bases; Stationary contacts mounted		button [1, 2006.01]
			thereon [1, 2006.01]		Note(s) [2006.01]
21/14 21/16			Means for increasing contact pressure [1, 2006.01] Adaptation for built-in fuse [1, 2006.01]		In this group, the term "rocking" is defined as pivotal
21/18			Movable parts; Contacts mounted		motion in one plane about an axis parallel to the switch
			thereon [1, 2006.01]		faceplate and located substantially centrally between the ends of the rocker button.
21/20	•	•	Contact arrangements for providing make-	23/02	• Details [1, 2006.01]
			before-break operation, e.g. for on-load tap-	23/04	• • Cases; Covers [1, 2006.01]
21/22			changing [1, 2006.01]Operating parts, e.g. handle [1, 2006.01]	23/06	• • • Dustproof, splashproof, drip-proof, waterproof,
21/24	•		 • biased to return to original position upon 		or flameproof casings [1, 2006.01]
	•	Ī	removal of operating force [1, 2006.01]	23/08	• • Bases; Stationary contacts mounted thereon [1, 2006.01]
21/26	•	•	• • • adapted for operation by a part of the	23/10	Adaptation for built-in fuse [1, 2006.01]
			human body other than the hand, e.g. by	23/12	Movable parts; Contacts mounted
21/28			foot [1, 2006.01]		thereon [1, 2006.01]
21/20	٠	٠	 • adapted for actuation at a limit or other predetermined position in the path of a 	23/14	• • • Tumblers [1, 2006.01]
			body, the relative movement of switch	23/16	 • • Driving mechanisms [1, 2006.01]
			and body being primarily for a purpose	23/18	• • • incorporating lost motion [1, 2006.01]
			other than the actuation of the switch, e.g.	23/20	• • • having snap action [1, 2006.01]
			door switch, limit switch, floor-levelling switch of a lift [1, 2006.01]	23/22	• • • with means for introducing a predetermined time delay [1, 2006.01]
21/30	•	•	 not biased to return to original position upon 	23/24	• with two operating positions [1, 2006.01]
			removal of operating force [1, 2006.01]	23/26	• • one of which positions is unstable [1, 2006.01]
21/32	•	•	 adapted for operation by a part of the 	23/28	• with three operating positions [1, 2006.01]
			human body other than the hand, e.g. by	23/30	 with stable centre position and one or both end
			foot [1, 2006.01]		positions unstable [1, 2006.01]
21/34	•	•	• • adapted for actuation at a limit or other	2= /22	•
21/34	•	•	predetermined position in the path of a	25/00	Switches with compound movement of handle or
21/34	•	•	predetermined position in the path of a body, the relative movement of switch		Switches with compound movement of handle or other operating part [1, 2006.01]
21/34	•	•	predetermined position in the path of a	25/00 25/04	Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one
21/34	•	•	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	25/04	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01]
	•	•	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 [1, 2006.01]		 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and
21/36	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01]	25/04	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01]
21/36 21/38	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01]	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01]
21/36 21/38 21/40	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01]	25/04	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key,
21/36 21/38	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members
21/36 21/38 21/40 21/42	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01]	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out
21/36 21/38 21/40	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-
21/36 21/38 21/40 21/42 21/44	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • or produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade springs [1, 2006.01]	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out
21/36 21/38 21/40 21/42 21/44 21/46	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • or produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01]	25/04 25/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-
21/36 21/38 21/40 21/42 21/44	•	•	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • or produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01]	25/04 25/06 27/00	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01]
21/36 21/38 21/40 21/42 21/44 21/46 21/48	• • • • • • •	• • • • • • • • • • • • • • • • • • • •	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01]	25/04 25/06 27/00	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of
21/36 21/38 21/40 21/42 21/44 21/46		• • • • • • • • • • • • • • • • • • • •	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g.	25/04 25/06 27/00 27/04 27/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01]
21/36 21/38 21/40 21/42 21/44 21/46 21/48		• • • • • • •	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to	25/04 25/06 27/00	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of
21/36 21/38 21/40 21/42 21/44 21/46 21/48		• • • • • • •	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative	25/04 25/06 27/00 27/04 27/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the
21/36 21/38 21/40 21/42 21/44 21/46 21/48			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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to	25/04 25/06 27/00 27/04 27/06	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50		• • • • • • •	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 [1, 2006.01] Driving mechanisms [1, 2006.01] incorporating lost motion [1, 2006.01] having snap action [1, 2006.01] produced by compression or extension of coil spring [1, 2006.01] produced by flexing blade springs [1, 2006.01] with two or more snap-action motions in succession [1, 2006.01] with two ormore snap-action motions in succession [1, 2006.01] with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01]	25/04 25/06 27/00 27/04 27/06 27/08	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50		· · · · · · · · · · · · · · · · · · ·	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating	25/04 25/06 27/00 27/04 27/06 27/08	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50			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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife	25/04 25/06 27/00 27/04 27/06 27/08 27/10	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01]
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50 21/52 21/54			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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • produced by compression or extension of coil spring [1, 2006.01] • produced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01]	25/04 25/06 27/00 27/04 27/06 27/08	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50 21/52 21/54	•		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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01] making contact in one position only [1, 2006.01]	25/04 25/06 27/00 27/04 27/06 27/08 27/10	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01] Switches having at least one liquid contact (solid
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50 21/52 21/54	•		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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01] Change-over switches without stable intermediate	25/04 25/06 27/00 27/04 27/06 27/08 27/10	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01] Switches having at least one liquid contact (solid contacts wetted or soaked with mercury
21/36 21/38 21/40 21/42 21/44 21/46 21/50 21/52 21/54 21/56 21/58	•	· · · · · · · · · · · · · · · · · · · ·	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01] Change-over switches without stable intermediate position [1, 2006.01]	25/04 25/06 27/00 27/04 27/06 27/08 27/10 29/00	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01] Switches having at least one liquid contact (solid contacts wetted or soaked with mercury H01H 1/08) [1, 2006.01] Details [1, 2006.01] Contacts; Containers for liquid
21/36 21/38 21/40 21/42 21/44 21/46 21/48 21/50 21/52 21/54	•		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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • or produced by compression or extension of coil spring [1, 2006.01] • or produced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating with one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01] Change-over switches without stable intermediate position [1, 2006.01] Change-over switches with stable intermediate	25/04 25/06 27/00 27/04 27/06 27/08 27/10 29/00 29/02 29/04	Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01] Switches having at least one liquid contact (solid contacts wetted or soaked with mercury H01H 1/08) [1, 2006.01] Details [1, 2006.01] Contacts; Containers for liquid contacts [1, 2006.01]
21/36 21/38 21/40 21/42 21/44 21/46 21/50 21/52 21/54 21/56 21/58	•	· · · · · · · · · · · · · · · · · · · ·	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 [1, 2006.01] • Driving mechanisms [1, 2006.01] • incorporating lost motion [1, 2006.01] • having snap action [1, 2006.01] • oproduced by compression or extension of coil spring [1, 2006.01] • oproduced by flexing blade springs [1, 2006.01] • with two or more snap-action motions in succession [1, 2006.01] • incorporating a ratchet mechanism [1, 2006.01] • with indexing or latching means, e.g. indexing by ball and spring; with means to ensure stopping at intermediate operative positions [1, 2006.01] • with means for introducing a predetermined time delay [1, 2006.01] ever switches with blade-type contact co-operating ith one or two spring-clip contacts, e.g. knife witch, sectionalisers [1, 2006.01] Change-over switches without stable intermediate position [1, 2006.01]	25/04 25/06 27/00 27/04 27/06 27/08 27/10 29/00 29/02	 Switches with compound movement of handle or other operating part [1, 2006.01] Operating part movable angularly in more than one plane, e.g. joystick [1, 2006.01] Operating part movable both angularly and rectilinearly, the rectilinear movement being along the axis of angular movement [1, 2006.01] Switches operated by a removable member, e.g. key, plug or plate; Switches operated by setting members according to a single predetermined combination out of several possible settings (combined with plug-and-socket connectors H01R 13/70; with current-carrying plug H01R 31/08) [1, 2006.01] Insulating plug or plate inserted between normally-closed contacts [1, 2006.01] Key inserted and then turned to effect operation of the switch [1, 2006.01] wherein the key cannot be removed until the switch is returned to its original position [1, 2006.01] Switch operated by setting members according to a single predetermined combination out of several possible settings [1, 2006.01] Switches having at least one liquid contact (solid contacts wetted or soaked with mercury H01H 1/08) [1, 2006.01] Details [1, 2006.01] Contacts; Containers for liquid

29/08	Means for introducing a predetermined time delay [1, 2006, 01]	31/32	• • with rectilinearly-movable contact [1, 2006.01]
29/10	delay [1, 2006.01]• by constricting the flow of the contact	31/34	 with movable contact adapted to engage an overhead transmission line, e.g. for branching [1, 2006.01]
20/42	liquid [1, 2006.01]	31/36	• • Contact moved by pantograph [1, 2006.01]
29/12	• • Operating mechanisms adapted for operation by a part of the human body other than the hand, e.g.	33/00	High-tension or heavy-current switches with arc- extinguishing or arc-preventing means [1, 2006.01]
29/14	by foot [1, 2006.01]Operating mechanisms adapted for actuation at a	33/02	• Details [1, 2006.01]
23/14	limit or other predetermined position in the path of	33/04	Means for extinguishing or preventing arc
	a body, the relative movement of switch and body		between current-carrying parts [1, 2006.01]
	being primarily for a purpose other than the actuation of the switch, e.g. door switch, limit	33/06	• • • Insulating body insertable between
	switch, floor-levelling switch of a lift [1, 2006.01]	33/08	contacts [1, 2006.01]Stationary parts for restricting or subdividing
29/16	 operated by dipping solid contact into stationary 	33/00	the arc, e.g. barrier plate [1, 2006.01]
	contact liquid [1, 2006.01]	33/10	• • • • Metal parts [1, 2006.01]
29/18	with level of surface of contact liquid displaced by non-electrical contact making plunger [1, 2006 01]	33/12	• • • Auxiliary contacts on to which the arc is
29/20	non-electrical contact-making plunger [1, 2006.01] • operated by tilting contact-liquid		transferred from the main contacts (using
23720	container [1, 2006.01]	33/14	arcing horns H01H 33/20) [1, 2006.01] • • Multiple main contacts for the purpose of
29/22	• • wherein contact is made and broken between	33/14	dividing the current through, or potential drop
	liquid and solid [1, 2006.01]		along, the arc [1, 2006.01]
29/24	 wherein contact is made and broken between liquid and liquid [1, 2006.01] 	33/16	Impedances connected with
29/26	with level of surface of contact liquid displaced by	22/10	contacts [1, 2006.01]
23/20	centrifugal action [1, 2006.01]	33/18 33/20	using blow-out magnet [1, 2006.01]using arcing horns (using blow-out magnet
29/28	with level of surface of contact liquid displaced by	33/20	H01H 33/18) [1, 2006.01]
	fluid pressure [1, 2006.01]	33/22	• • • Selection of fluids for arc-
29/30	with level of surface of contact liquid displaced by		extinguishing [1, 2006.01]
29/32	expansion or evaporation thereof [1, 2006.01] • with contact made by a liquid jet, e.g. earthing switch	33/24	Means for preventing discharge to non-current-
23/32	with contact made by jet of water [1, 2006.01]	33/26	carrying parts, e.g. using corona ring [1, 2006.01]Means for detecting the presence of an arc or other
		33/20	discharge [1, 2006.01]
31/00	Air-break switches for high tension without arc-	33/28	 Power arrangements internal to the switch for
	extinguishing or arc-preventing means (in combination with high tension or heavy-current		operating the driving mechanism [1, 2006.01]
	switches with arc-extinguishing or arc-preventing means	33/30	• • • using fluid actuator [1, 2006.01]
	H01H 33/00) [1, 3, 2006.01]	33/32	• • • • pneumatic [1, 2006.01]
31/02	• Details [1, 2006.01]	33/34	• • • hydraulic [1, 2006.01]• • using dynamo-electric motor [1, 2006.01]
31/04	• Interlocking mechanisms [1, 2006.01]	33/36 33/38	• • • using electromagnet [1, 2006.01]
31/06	 for interlocking between casing, cover, or protective shutter and mechanism for operating 	33/40	• • • using spring motor [1, 2006.01]
	contacts [1, 2006.01]	33/42	 Driving mechanisms [1, 2006.01]
31/08	• • for interlocking two or more parts of the	33/44	Devices for ensuring operation of the switch at a
	mechanism for operating contacts [1, 2006.01]		predetermined point in the AC cycle (circuit
31/10	• • • for interlocking two or more	22/46	arrangements H01H 33/59) [1, 2006.01]
31/12	switches [1, 2006.01] • Adaptation for built-in fuse [1, 2006.01]	33/46 33/48	Interlocking mechanisms [1, 2006.01]for interlocking between casing or cover and
31/14	with bridging contact that is not electrically	33/ 4 0	mechanism for operating contacts [1, 2006.01]
	connected to either line contact in open position of	33/50	• • • for interlocking two or more parts of the
	switch [1, 2006.01]		mechanism for operating contacts [1, 2006.01]
31/16	 with angularly-movable bridging contact or contact-carrying member [1, 2006.01] 	33/52	• • • for interlocking two or more
31/18	• • actuated through the movement of one or more	33/53	switches [1, 2006.01] • Cases (for switchgear H02B 1/26); Reservoirs,
51710	insulators [1, 2006.01]	33/33	tanks, piping or valves, for arc-extinguishing fluid;
31/20	• • • at least one insulator being rotatable about		Accessories therefor, e.g. safety arrangements,
	its own geometrical axis [1, 2006.01]		pressure relief devices [3, 2006.01]
31/22	• • • wherein the contact or contacts are rectilinearly mayable with respect to the corruing.	33/55	 Oil reservoirs or tanks; Lowering means therefor (associated with withdrawal
	movable with respect to the carrying member [1, 2006.01]		mechanism for isolation of switch
31/24	with rectilinearly-movable bridging		H02B 11/08) [1, 2006.01]
	contact [1, 2006.01]	33/56	• • • Gas reservoirs [1, 2006.01]
31/26	with movable contact that remains electrically	33/57	• • • Recuperation of liquid or gas [1, 2006.01]
	connected to one line in open position of	33/575	• • • Pressure relief devices for normal or emergency
31/28	switch [1, 2006.01]with angularly-movable contact [1, 2006.01]	22/50	use [3, 2006.01]
31/28	• with angularly-movable contact [1, 2006.01] • actuated-through the movement of one or more	33/58	• • Silencers for suppressing noise of switch operation [1, 3, 2006.01]
51/50	insulators [1, 2006.01]		operation [2, 5, 200001]
	-		

33/59	•	 Circuit arrangements not adapted to a particular application of the switch and not otherwise 	33/915	•	• • • with closed circuit of air or gas [3, 2006.01]
		provided for, e.g. for ensuring operation of the switch at a predetermined point in the AC	33/92	•	• • • the arc-extinguishing fluid being liquid, e.g. oil [1, 2006.01]
33/60	•	cycle [1, 2006.01] Switches wherein the means for extinguishing or	33/94	•	• • this movement being effected solely due to the pressure caused by the arc itself or by an
		preventing the arc do not include separate means for			auxiliary arc [1, 2006.01]
		obtaining or increasing flow of arc-extinguishing fluid [1, 2006.01]	33/95	•	• • • the arc-extinguishing fluid being air or gas [1, 2006.01]
33/64	•	 wherein the break is in gas (vacuum switches H01H 33/66) [1, 2006.01] 	33/96	•	• • • the arc-extinguishing fluid being liquid, e.g. oil [1, 2006.01]
33/65		 wherein the break is in air at atmospheric pressure, e.g. in open air [2009.01] 	33/98	•	• the flow of arc-extinguishing fluid being initiated by an auxiliary arc or a section of the arc, without
33/66		• Vacuum switches [1, 2006.01]			any moving parts for producing or increasing the
33/662		• Housings or protective screens [7, 2006.01]	22/005		flow [1, 2006.01]
33/664	•	 Contacts; Arc-extinguishing means, e.g. arcing rings [7, 2006.01] 	33/985 33/99		the fluid being air or gas [3, 2006.01]the fluid being liquid [3, 2006.01]
33/666	•	 Operating arrangements [7, 2006.01] 	33/33		and fidule being fiquid [5, 2000.01]
33/668	•	Means for obtaining or monitoring the	35/00		witches operated by change of a physical condition
		vacuum [7, 2006.01]			operated by change of magnetic or electric field
33/68		• Liquid-break switches, e.g. oil-break [1, 2006.01]			I01H 36/00; thermally-actuated switches I01H 37/00) [1, 2006.01]
33/70	•	Switches with separate means for directing, obtaining, or increasing flow of arc-extinguishing			Note(s)
33/72		fluid [1, 2006.01] • having stationary parts for directing the flow of			A switching device is classified according to that
33//2	•	arc-extinguishing fluid, e.g. arc-extinguishing chamber [1, 2006.01]		tl	ohysical condition which when changed acts as input to the device, e.g. external explosion causing pressure
33/73	•	• • wherein the break is in air at atmospheric pressure, e.g. in open air [1, 2006.01]		H	vave to act upon switch is classified in group H01H 35/24, an explosion produced within the switch n group H01H 37/00 if initiated by heat, in group
33/74	•	 wherein the break is in gas (in air at atmospheric pressure H01H 33/73) [1, 2006.01] 		H	H01H 39/00 if initiated electrically, and in group H01H 35/14 if initiated by an external blow.
33/75	•	 Liquid-break switches, e.g. oil- break [1, 2006.01] 	35/02	•	Switches operated by change of position, inclination, or orientation of the switch itself in relation to
33/76	•	 wherein arc-extinguishing gas is evolved from stationary parts; Selection of material therefor [1, 2006.01] 			gravitational field (tilting mercury container H01H 29/20; change of position due to change of liquid level H01H 35/18) [1, 2006.01]
33/77	•	 wherein the break is in air at atmospheric pressure [1, 2006.01] 	35/06	•	Switches operated by change of speed (operated by change of fluid flow H01H 35/24) [1, 2006.01]
33/78	•	 wherein the break is in gas (in air at atmospheric pressure H01H 33/77) [1, 2006.01] 	35/10	•	• Centrifugal switches (level of mercury displaced by centrifugal action H01H 29/26) [1, 2006.01]
33/80		 flow of arc-extinguishing fluid from a pressure source being controlled by a valve [1, 2006.01] 	35/12	•	 operated by reversal of direction of movement [1, 2006.01]
33/82		 the fluid being air or gas [1, 2006.01] 	35/14	•	Switches operated by change of acceleration, e.g. by
33/825	•	• • with closed circuit of air or gas	DE /40		shock or vibration, inertia switch [1, 2006.01]
22/02		(H01H 33/835 takes precedence) [3, 2006.01]	35/18	•	Switches operated by change of liquid level or of liquid density, e.g. float switch (by magnet carried on a float HOLH 26/02) [1, 2006 01]
33/83	•	 • wherein the contacts are opened by the flow of air or gas [1, 2006.01] 	35/24		a float H01H 36/02) [1, 2006.01] Switches operated by change of fluid pressure, by
33/835	•	• • • • with closed circuit of air or gas [3, 2006.01]	33/ 24		fluid pressure waves, or by change of fluid flow (wherein the change of pressure is caused by change
33/84	•	• • the fluid being liquid, e.g. oil [1, 2006.01]			of temperature H01H 37/36) [1, 2006.01]
33/85	•	• • wherein the contacts are opened by the flow	35/26	•	• Details [1, 2006.01]
33/86		of liquid [1, 2006.01] • the flow of arc-extinguishing fluid under pressure	35/28	•	• • Compensation for variation of ambient pressure or temperature [1, 2006.01]
		from the contact space being controlled by a valve [1, 2006.01]	35/30	•	Means for transmitting pressure to pressure- responsive operating part, e.g. by capsule and
33/867		• the fluid being air or gas [3, 2006.01]	2E /22		capillary tube [1, 2006.01]
33/873		• • • with closed circuit of air or gas [3, 2006.01]	35/32 35/34		 actuated by bellows [1, 2006.01] actuated by diaphragm [1, 2006.01]
33/88	•	 the flow of arc-extinguishing fluid being produced or increased by movement of pistons or other pressure-producing parts [1, 2006.01] 	35/36		 actuated by diaphragin [1, 2006.01] actuated by curled flexible tube, e.g. Bourdon tube [1, 2006.01]
33/90		 this movement being effected by, or in 	35/38		• actuated by piston and cylinder [1, 2006.01]
23,30		conjunction with, the contact-operating mechanism [1, 2006.01]	35/40		 actuated by piston and cylinder [2] 200001] actuated by devices allowing continual flow of fluid, e.g. vane [1, 2006.01]
33/91	•	• • • the arc-extinguishing fluid being air or gas [1, 2006.01]	35/42	•	

36/00	Switches actuated by change of magnetic field or of electric field, e.g. by change of relative position of magnet and switch, by shielding [1, 2006.01]	37/62 37/64	 • Means other than thermal means for introducing a predetermined time delay [1, 2006.01] • Contacts [1, 2006.01]
36/02	 actuated by movement of a float carrying a magnet [1, 2006.01] 	37/66	 • • Magnetic reinforcement of contact pressure; Magnet causing snap action [1, 2006.01]
37/00	Thermally-actuated switches [1, 2006.01]	37/68	 • sealed in evacuated or gas-filled tube [1, 2006.01]
37/02	• Details [1, 2006.01]	37/70	• • • Resetting means [1, 2006.01]
37/04	• • Bases; Housings; Mountings [1, 2006.01]	37/72	Switches in which the opening movement and the
37/06	• • to facilitate replacement, e.g. cartridge housing [1, 2006.01]	37772	closing movement of a contact are effected respectively by heating and cooling or <u>vice</u>
37/08	• Indicators; Distinguishing marks [1, 2006.01]		versa [1, 2006.01]
37/10	Compensation for variation of ambient temperature or pressure [1, 2006.01]	37/74	• Switches in which only the opening movement or only the closing movement of a contact is effected by
37/12	 Means for adjustment of "on" or "off" operating temperature [1, 2006.01] 	37/76	heating or cooling [1, 2006.01]Contact member actuated by melting of fusible
37/14	• • by anticipatory electric heater [1, 2006.01]		material, actuated due to burning of combustible
37/16	 • by varying the proportion of input heat received by the thermal element, e.g. by displacement of a shield [1, 2006.01] 		material or due to explosion of explosive material [1, 2006.01]
37/18	• • • by varying bias on the thermal element due to a separate spring [1, 2006.01]	39/00	Switching devices actuated by an explosion produced within the device and initiated by an electric
37/20	• • by varying the position of the thermal element		current [1, 2006.01]
37/22	in relation to switch base or casing [1, 2006.01]• • by adjustment of a member transmitting motion	41/00	Switches providing a selected number of consecutive
37722	from the thermal element to contacts or		operations of the contacts by a single manual actuation of the operating part [1, 2006.01]
27/24	latch [1, 2006.01]	41/04	Switches without means for setting or mechanically
37/24	 • by adjustment of position of the movable contact on its driving member [1, 2006.01] 	44.700	storing a multidigit number [1, 2006.01]
37/26	• • by adjustment of abutment for "off" position of	41/06 41/08	dial or slide operated [1, 2006.01]keyboard operated [1, 2006.01]
	the movable contact [1, 2006.01]	41/10	Switches with means for setting or mechanically
37/28	• • by adjustment of the position of the fixed contact [1, 2006.01]	41/12	storing a multidigit number [1, 2006.01] • dial or slide operated [1, 2006.01]
37/30	• • by varying the position of the contact unit in relation to switch base or casing [1, 2006.01]	41/14	• keyboard operated [1, 2006.01]
37/32	• • Thermally-sensitive members [1, 2006.01]	43/00	Time or time-programme switches providing a
37/34	 • Means for transmitting heat thereto, e.g. capsule remote from contact 		choice of time-intervals for executing one or more switching actions and automatically terminating
27/26	member [1, 2006.01]		their operation after the programme is
37/36	 actuated due to expansion or contraction of a fluid with or without vaporisation (the fluid 	43/02	completed [1, 2006.01] • Details [1, 2006.01]
	forming a contact of the switch H01H 29/04,	43/04	Means for time setting [1, 2006.01]
	H01H 29/30) [1, 2006.01]	43/06	• • comprising separately adjustable parts for each
37/38	• • • • with bellows [1, 2006.01]		programme step, e.g. with tappets [1, 2006.01]
37/40 37/42	• • • with diaphragm [1, 2006.01]• • with curled flexible tube, e.g. Bourdon tube [1, 2006.01]	43/08	• • • comprising an interchangeable programme part which is common for all programme steps, e.g.
37/44	• • • with piston and cylinder [1, 2006.01]	43/10	with a punched card [1, 2006.01] • with timing of actuation of contacts due to a part
37/46	• • actuated due to expansion or contraction of a		rotating at substantially constant speed [1, 2006.01]
2= / 42	solid (deflection of a bimetallic element H01H 37/52) [1, 2006.01]	43/12	 stopping automatically after a single cycle of operation [1, 2006.01]
37/48	• • • with extensible rigid rods or tubes [1, 2006.01]	43/14	• • • wherein repetition of operation necessitates resetting of time intervals [1, 2006.01]
37/50	• • • with extensible wires under tension [1, 2006.01]	43/16	 stopping automatically after a predetermined plurality of cycles of operation [1, 2006.01]
37/52	• • • actuated due to deflection of bimetallic element [1, 2006.01]	43/24	 with timing of actuation of contacts due to a non- rotatably moving part [1, 2006.01]
37/54	• • • wherein the bimetallic element is inherently snap acting [1, 2006.01]	43/26	 the actuation being produced by a substance flowing due to gravity, e.g. sand,
37/56	 • • having spirally wound or helically wound bimetallic element [1, 2006.01] 	43/28	water [1, 2006.01]the actuation being produced by a part, the speed
37/58	• • actuated due to thermally controlled change of magnetic permeability [1, 2006.01]	.5, 20	of which is controlled by fluid-pressure means, e.g. by piston and cylinder [1, 2006.01]
37/60	 Means for producing snap action (inherent in bimetallic element H01H 37/54; caused by a magnet H01H 37/66) [1, 2006.01] 	43/30	 with timing of actuation of contacts due to thermal action [1, 2006.01]

43/32	 with timing of actuation of contacts due to electrolytic processes; with timing of actuation of contacts due to chemical processes [1, 2006.01] 	50/00	Details of electromagnetic relays (electric circuit arrangements H01H 47/00; details of electrically-operated selector switches H01H 63/00) [1, 2006.01]
	contacts due to chemical processes [1, 2000.01]	50/02	Bases; Casings; Covers (frames for mounting two or
<u>Relays</u>		30,0-	more relays or for mounting a relay and another electric component H02B 1/01, H04Q 1/08, H05K) [1, 2006.01]
45/00	Details of relays (electric circuit arrangements	50/04	 Mounting complete relay or separate parts of relay
	H01H 47/00; of electromagnetic relays H01H 50/00;	50704	on a base or inside a case [1, 2006.01]
	details of electrically-operated selector switches H01H 63/00) [1, 2006.01]	50/06	 having windows; Transparent cases or covers [1, 2006.01]
45/02	Bases; Casings; Covers (frames for mounting two or	50/08	• Indicators; Distinguishing marks [1, 2006.01]
	more relays or for mounting a relay and another	50/10	Electromagnetic or electrostatic shielding (casings)
	electric component H02B 1/01, H04Q 1/08, H05K) [1, 2006.01]		H01H 50/02) [1, 2006.01]
45/04	 Mounting complete relay or separate parts of relay 	50/12	 Ventilating; Cooling; Heating (for operating
45/04	on a base or inside a case [1, 2006.01]		electrothermal relays H01H 61/013) [1, 2006.01]
45/06	having windows; Transparent cases or	50/14	 Terminal arrangements [1, 2006.01]
	covers [1, 2006.01]	50/16	 Magnetic circuit arrangements [1, 2006.01]
45/08	 Indicators; Distinguishing marks [1, 2006.01] 	50/18	 Movable parts of magnetic circuits, e.g.
45/10	Electromagnetic or electrostatic shielding (casings)		armature [1, 2006.01]
	H01H 45/02) [1, 2006.01]	50/20	• • • movable inside coil and substantially
45/12	 Ventilating; Cooling; Heating (for operating electrothermal relays H01H 61/013) [1, 2006.01] 		lengthwise with respect to axis thereof; movable coaxially with respect to coil [1, 2006.01]
45/14	 Terminal arrangements [1, 2006.01] 	50/22	• • • • wherein the magnetic circuit is substantially
47/00	Circuit arrangements not adopted to a particular	30/22	closed [1, 2006.01]
47/00	Circuit arrangements not adapted to a particular application of the relay and designed to obtain	50/24	Parts rotatable or rockable outside
	desired operating characteristics or to provide		coil [1, 2006.01]
	energising current [1, 2006.01]	50/26	• • • Parts movable about a knife
47/02	 for modifying the operation of the relay [1, 2006.01] 		edge [1, 2006.01]
47/04	 for holding armature in attracted position, e.g. 	50/28	 Parts movable due to bending of a blade
	when initial energising circuit is interrupted or with reduced energising current [1, 2006.01]	50/30	spring or reed [1, 2006.01] • • • Mechanical arrangements for preventing or
47/06	• • • by changing number of serially-connected turns or winding [1, 2006.01]		damping vibration or shock, e.g. by balancing of armature [1, 2006.01]
47/08	• • • by changing number of parallel-connected turns or windings [1, 2006.01]	50/32	 Latching movable parts mechanically [1, 2006.01]
47/10	• • • by switching-in or -out impedance external to the relay winding [1, 2006.01]	50/34	 • Means for adjusting limits of movement; Mechanical means for adjusting returning
47/12	• • for biasing the electromagnet [1, 2006.01]		force [1, 2006.01]
47/14	• • for differential operation of the relay [1, 2006.01]	50/36	Stationary parts of magnetic circuit, e.g.
47/16	 for conjoint, e.g. additive, operation of the relay [1, 2006.01] 	50/38	yoke [1, 2006.01] • • Part of main magnetic circuit shaped to
47/18	 for introducing delay in the operation of the relay 		suppress arcing between the contacts of the
	(short-circuited conducting sleeves, bands, or discs	F0 / 40	relay [1, 2006.01]
	H01H 50/46) [1, 2006.01]	50/40	 • Branched or multiple-limb main magnetic circuits [1, 2006.01]
47/20	 for producing frequency-selective operation of the relay [1, 2006.01] 	50/42	• • • Auxiliary magnetic circuits, e.g. for
47/22	for supplying energising current for relay		maintaining armature in, or returning armature
	coil [1, 2006.01]		to, position of rest, for damping or accelerating
47/24	 having light-sensitive input [1, 2006.01] 	FO / 4.4	movement [1, 2006.01]
47/26	 having thermo-sensitive input [1, 2006.01] 	50/44	Magnetic coils or windings [1, 2006.01] Short circuited conducting closues bands or
47/28	 Energising current supplied by discharge tube [1, 2006.01] 	50/46	Short-circuited conducting sleeves, bands, or discs [1, 2006.01] [14, 2006.01]
47/30	• • • by gas-filled discharge tube [1, 2006.01]	50/54	• Contact arrangements [1, 2006.01]
47/32	 Energising current supplied by semiconductor 	50/56	• • Contact spring sets [1, 2006.01]
47/34	device [1, 2006.01]Energising current supplied by magnetic	50/58	 Driving arrangements structurally associated therewith; Mounting of driving arrangement on armature [1, 2006.01]
45.400	amplifier [1, 2006.01]	50/60	moving contact being rigidly combined with
47/36	 Relay coil or coils forming part of a bridge circuit [1, 2006.01] 	50/62	movable part of magnetic circuit [1, 2006.01] • Co-operating movable contacts operated by
<u>/0</u> /00	Annaratus or processes specially adapted to the	50/02	separate electrical actuating means [1, 2006.01]
49/00	Apparatus or processes specially adapted to the manufacture of relays or parts thereof [1, 2006.01]	50/64	Driving arrangements between movable part of magnetic circuit and contact (structurally associated with contact spring sets H01H 50/58) [1, 2006.01]
		50/66	• • with lost motion [1 2006 01]

50/66 • • with lost motion **[1, 2006.01]**

50/68	• • with snap action [1, 2006.01]	51/24	• • without intermediate neutral position of
50/70	• • operating contact momentarily during stroke of	E1 /26	rest [1, 2006.01] • with intermediate neutral position of
F0 /70	armature [1, 2006.01]	51/26	rest [1, 2006.01]
50/72	• • for mercury contact [1, 2006.01]	51/27	Relays with armature having two stable magnetic
50/74	 Mechanical means for producing a desired natural frequency of operation of the contacts, e.g. for self-interrupter [1, 2006.01] 	51727	states and operated by change from one state to the other [1, 2006.01]
50/76	• • using reed or blade spring [1, 2006.01]	51/28	Relays having both armature and contacts within a
50/78	• • using diaphragm; using stretched wire or ribbon vibrating sideways [1, 2006.01]		sealed casing outside which the operating coil is located, e.g. contact carried by a magnetic leaf spring
50/80	 using torsionally vibrating member, e.g. wire, 	E4 /20	or reed (H01H 51/27 takes precedence) [1, 2006.01]
50/82	strip [1, 2006.01] • • using spring-loaded pivoted inertia	51/29	 Relays having armature, contacts, and operating coil within a sealed casing (H01H 51/27 takes precedence) [1, 2006.01]
E0 /0.4	member [1, 2006.01]	51/30	• specially adapted for actuation by AC [1, 2006.01]
50/84 50/86	• • • with means for adjustment of frequency or of make-to-break ratio [1, 2006.01] • Means for introducing a productormined time delay.	51/32	 Frequency relays; Mechanically-tuned relays [1, 2006.01]
30/60	 Means for introducing a predetermined time delay between the initiation of the switching operation and 	51/34	• Self-interrupters, i.e. with periodic or other repetitive
	the opening or closing of the contacts (circuit	E4 /0.0	opening and closing of contacts [1, 2006.01]
	arrangements for introducing delay H01H 47/18; short-circuited conducting sleeves, bands, or discs H01H 50/46) [1, 2006.01]	51/36	 wherein the make-to-break ratio is varied by hand setting or current strength [1, 2006.01]
50/88	Mechanical means, e.g. dash-pot [1, 2006.01]	53/00	Relays using the dynamo-electric effect, i.e. relays in
50/90	• • • the delay being effective in both directions of operation [1, 2006.01]		which contacts are opened or closed due to relative movement of current-carrying conductor and magnetic field caused by force of interaction between
50/92	• • Thermal means (inherent in electrothermal relays		them [1, 2006.01]
	H01H 61/00) [1, 2006.01]	53/01	• Details [1, 2006.01]
51/00	Electromagnetic relays (relays using the dynamo- electric effect H01H 53/00) [1, 2006.01]	53/015	 Moving coils; Contact-driving arrangements associated therewith [1, 2006.01]
51/01	Relays in which the armature is maintained in one	53/02	• Electrodynamic relays, i.e. relays in which the
31, 01	position by a permanent magnet and freed by energisation of a coil producing an opposing		interaction is between two current-carrying conductors [1, 2006.01]
	magnetic field [3, 2006.01]	53/04	• • Ferrodynamic relays, i.e. relays in which the
51/02	 Non-polarised relays (H01H 51/01 takes precedence) [1, 3, 2006.01] 		magnetic field is concentrated in ferromagnetic parts [1, 2006.01]
51/04	 with single armature; with single set of ganged armatures [1, 2006.01] 	53/06	 Magnetodynamic relays, i.e. relays in which the magnetic field is produced by a permanent
51/06	• • • Armature is movable between two limit	F2 /00	magnet [1, 2006.01]
	positions of rest and is moved in one direction	53/08	 wherein a mercury contact constitutes the current- carrying conductor [1, 2006.01]
	due to energisation of an electromagnet and after the electromagnet is de-energised is	53/10	• Induction relays, i.e. relays in which the interaction is
	returned by energy stored during the movement in the first direction, e.g. by using a spring, by		between a magnetic field and current induced thereby in a conductor [1, 2006.01]
	using a permanent magnet, by	53/12	• • Ferraris relays [1, 2006.01]
	gravity [1, 2006.01]	53/14	 Contacts actuated by an electric motor through fluid-
51/08	• • • Contacts alternately opened and closed by		pressure transmission, e.g. using a motor-driven
	successive cycles of energisation and de-		pump [1, 2006.01]
	energisation of the electromagnet, e.g. by use of a ratchet [1, 2006.01]	55/00	Magnetostrictive relays [1, 2006.01]
51/10	 Contacts retained open or closed by a mechanical latch which is controlled by an electromagnet [1, 2006.01] 	57/00	Electrostrictive relays; Piezoelectric relays [1, 2006.01]
51/12	Armature is movable between two limit		•
31/12	positions of rest and is moved in both directions	59/00	Electrostatic relays; Electro-adhesion relays [1, 2006.01]
	due to the energisation of one or the other of two electromagnets without the storage of		
	energy to effect the return	61/00	Electrothermal relays (thermal switches not operated by electrical input thermal switches with anticipating
	movement [1, 2006.01]		by electrical input, thermal switches with anticipating electrical input H01H 37/00; thermally-sensitive
51/14	• • • without intermediate neutral position of rest [1, 2006.01]		members H01H 37/32) [1, 2006.01]
51/16	• • • with intermediate neutral position of	61/01	• Details [1, 2006.01]
	rest [1, 2006.01]	61/013	 Heating arrangements for operating relays [1, 2006.01]
51/18	• • • Armature is rotatable through an unlimited number of revolutions [1, 2006.01]	61/017	 • Heating by glow discharge or arc in confined space [1, 2006.01]
51/20	 with two or more independent armatures [1, 2006.01] 	61/02	• wherein the thermally-sensitive member is heated
51/22	• Polarised relays [1, 2006.01]		indirectly, e.g. resistively, inductively [1, 2006.01]

61/04	 wherein the thermally-sensitive member is only heated directly [1, 2006.01] 	67/10	• • • with coarse and fine positioning of wipers [1, 2006.01]
61/06	• Self-interrupters, i.e. with periodic or other repetitive	67/12	• • • Linear-motion switches [1, 2006.01]
	opening and closing of contacts [1, 2006.01]	67/14	 having wipers movable in two mutually
61/08	wherein the make-to-break ratio is varied by hand		perpendicular directions for purpose of
	setting or current strength [1, 2006.01]	CE /4.C	selection [1, 2006.01]
		67/16	• • • one motion being rotary and the other being parallel to the axis of rotation, e.g. Strowger or
Selectors	<u>s [3]</u>		"up and around" switches [1, 2006.01]
		67/18	• • • one motion being rotary and the other being
63/00	Details of electrically-operated selector switches [1, 2006.01]		perpendicular to the axis of rotation, e.g. "round and in" switches [1, 2006.01]
63/02	 Contacts; Wipers; Connections thereto [1, 2006.01] 	67/20	 both motions being linear [1, 2006.01]
63/04	 Contact-making or contact-breaking wipers; 	67/22	• Switches without multi-position wipers [1, 2006.01]
	Position indicators therefor [1, 2006.01]	67/24	Co-ordinate-type relay switches having an
63/06	• • Contact banks [1, 2006.01]		individual electromagnet at each cross-
63/08	• • • cylindrical [1, 2006.01]		point [1, 2006.01]
63/10	• plane [1, 2006.01]• Multiplying connections to contact banks, e.g.	67/26	Co-ordinate-type selector switches not having
63/12	using ribbon cables [1, 2006.01]		relays at cross-points but involving mechanical movement, e.g. cross-bar switch, code-bar
63/14	• • • without soldering [1, 2006.01]		switch [1, 2006.01]
63/16	Driving arrangements for multi-position	67/30	 Co-ordinate-type selector switches with field of
	wipers [1, 2006.01]		co-ordinate coil acting directly upon magnetic leaf
63/18	 with step-by-step motion of wiper to a selector 		spring or reed-type contact member [1, 2006.01]
	position [1, 2006.01]	67/32	having a multiplicity of interdependent armatures
63/20	• • • using stepping magnet and ratchet [1, 2006.01]		operated in succession by a single coil and each controlling one contact or set of contacts, e.g.
63/22	• • • using step-by-step electromagnetic drive		counting one conduct of set of conducts, e.g.
	without ratchet, e.g. self-interrupting driving magnet [1, 2006.01]		, and a supply seems ;
63/24	with continuous motion of wiper until a selected	_	
	position is reached [1, 2006.01]	<u>Emergen</u>	cy protective devices
63/26	 • with an individual clutch-drive from a shaft 	69/00	Apparatus or processes for the manufacture of
	common to more than one selector		emergency protective devices [1, 2006.01]
60.400	switch [1, 2006.01]	69/01	 for calibrating or setting of devices to function under
63/28	• • with an individual motor for each selector switch [1, 2006 01]		predetermined conditions [1, 2006.01]
	switch [1, 2006.01]	69/02	
63/28			predetermined conditions [1, 2006.01]Manufacture of fuses [1, 2006.01]
	switch [1, 2006.01]Pneumatic motor for moving wiper to	69/02 71/00	predetermined conditions [1, 2006.01]
63/30 63/32	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] 		 predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered
63/30	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector 	71/00	predetermined conditions [1, 2006.01] • Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] • Housings; Casings; Bases; Mountings [1, 2006.01] • Means for indicating condition of the switching
63/30 63/32	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at cross- 	71/00 71/02 71/04	 predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01]
63/30 63/32 63/33	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] 	71/00 71/02 71/04 71/06	 predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01]
63/30 63/32	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at cross- 	71/00 71/02 71/04 71/06 71/08	 predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01]
63/30 63/32 63/33	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on 	71/00 71/02 71/04 71/06 71/08 71/10	 predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01]
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63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01]	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26	predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] Electrothermal mechanisms [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With compensation for variation of ambient temperature [1, 2006.01] Electromagnetic mechanisms [1, 2006.01] With windings acting in opposition [1, 2006.01]
63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01] Electrically-operated selector switches [1, 2006.01]	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26	predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] Electrothermal mechanisms [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With compensation for variation of ambient temperature [1, 2006.01] With with compensation for variation of ambient temperature [1, 2006.01] With windings acting in opposition [1, 2006.01] With windings acting in conjunction [1, 2006.01]
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63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01] Multi-position wiper switches [1, 2006.01] having wipers movable only in one direction for 	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26 71/28	predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] With bimetal element [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With fusible mass [1, 2006.01] With compensation for variation of ambient temperature [1, 2006.01] Electromagnetic mechanisms [1, 2006.01] With windings acting in opposition [1, 2006.01] With windings acting in conjunction [1, 2006.01] having additional short-circuited winding [1, 2006.01]
63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00 67/00 67/02	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01] Multi-position wiper switches [1, 2006.01] Multi-position wiper switches [1, 2006.01] 	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26 71/28 71/30 71/32	 Manufacture of fuses [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] Electrothermal mechanisms [1, 2006.01] with bimetal element [1, 2006.01] with expanding rod, strip, or wire [1, 2006.01] with fusible mass [1, 2006.01] with compensation for variation of ambient temperature [1, 2006.01] with windings acting in opposition [1, 2006.01] with windings acting in conjunction [1, 2006.01] having additional short-circuited winding [1, 2006.01] having permanently magnetised part [1, 2006.01]
63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00 67/02 67/02 67/04	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] for processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01] Multi-position wiper switches [1, 2006.01] having wipers movable only in one direction for purpose of selection [1, 2006.01] Rotary switches, i.e. having angularly movable wipers [1, 2006.01] 	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26 71/28 71/30	predetermined conditions [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Automatic release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] With bimetal element [1, 2006.01] With expanding rod, strip, or wire [1, 2006.01] With fusible mass [1, 2006.01] With compensation for variation of ambient temperature [1, 2006.01] Electromagnetic mechanisms [1, 2006.01] With windings acting in opposition [1, 2006.01] With windings acting in conjunction [1, 2006.01] Aving additional short-circuited winding [1, 2006.01] Aving permanently magnetised part [1, 2006.01]
63/30 63/32 63/33 63/34 63/36 63/40 63/42 65/00 67/02 67/02 67/04	 switch [1, 2006.01] Pneumatic motor for moving wiper to selected position [1, 2006.01] Spring motor for moving wiper to selected position [1, 2006.01] Constructional details of co-ordinate-type selector switches not having relays at crosspoints [1, 2006.01] Bases; Cases; Covers; Mountings (racks for mounting selectors with or without other exchange equipment H04Q 1/04); Mounting of fuses on selector switch [1, 2006.01] Circuit arrangements for ensuring correct or desired operation and not adapted to a particular application of the selector switch [1, 2006.01] for multi-position wiper switches [1, 2006.01] for multi-position switches without wipers [1, 2006.01] for co-ordinate-type selector switches not having relays at cross-points [1, 2006.01] Apparatus or processes specially adapted to the manufacture of selector switches or parts thereof [1, 2006.01] Multi-position wiper switches [1, 2006.01] having wipers movable only in one direction for purpose of selection [1, 2006.01] Rotary switches, i.e. having angularly movable 	71/00 71/02 71/04 71/06 71/08 71/10 71/12 71/14 71/16 71/18 71/20 71/22 71/24 71/26 71/28 71/30 71/32	 Manufacture of fuses [1, 2006.01] Manufacture of fuses [1, 2006.01] Details of the protective switches or relays covered by groups H01H 73/00-H01H 83/00 [1, 2006.01] Housings; Casings; Bases; Mountings [1, 2006.01] Means for indicating condition of the switching device [1, 2006.01] Distinguishing marks, e.g. colour coding [1, 2006.01] Terminals; Connections [1, 2006.01] Operating or release mechanisms [1, 2006.01] Automatic release mechanisms with or without manual release [1, 2006.01] Electrothermal mechanisms [1, 2006.01] with bimetal element [1, 2006.01] with expanding rod, strip, or wire [1, 2006.01] with fusible mass [1, 2006.01] with compensation for variation of ambient temperature [1, 2006.01] with windings acting in opposition [1, 2006.01] with windings acting in conjunction [1, 2006.01] having additional short-circuited winding [1, 2006.01] having permanently magnetised part [1, 2006.01]

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71/38	• • • • wherein the magnet coil also acts as arc blow-out device [1, 2006.01]	73/30	reset by push-button, pull-knob, or slide [1, 2006.01]
71/40	Combined electrothermal and electromagnetic	73/32	• reset by closure of switch casing [1, 2006.01]
	mechanisms [1, 2006.01]	73/34	reset action requiring replacement or
71/42	 Induction-motor, induced-current, or 		reconditioning of a fusible or explosive
	electrodynamic release		part [1, 2006.01]
5 4 / 40	mechanisms [1, 2006.01]	73/36	having electromagnetic release and no other
71/43	• • • Electrodynamic release		automatic release (cartridge type
71/44	mechanisms [1, 2006.01] • • • having means for introducing a predetermined	73/38	H01H 73/64) [1, 2006.01] • reset by lever [1, 2006.01]
/1/44	time delay (by short-circuited winding	73/30	• • reset by tumbler [1, 2006.01]
	H01H 71/30; by additional armature	73/40	 reset by tumble [1, 2006.01] reset by rotatable knob or wheel [1, 2006.01]
	H01H 71/34) [1, 2006.01]	73/42	• reset by push-button, pull-knob, or
71/46	 having means for operating auxiliary contacts 	73744	slide [1, 2006.01]
	additional to the main contacts [1, 2006.01]	73/46	• reset by closure of switch casing [1, 2006.01]
71/48	• • • with provision for short-circuiting the	73/48	 having both electrothermal and electromagnetic
	electrical input to the release mechanism		automatic release (cartridge type
	after release of the switch, e.g. for protection of heating wire [1, 2006.01]		H01H 73/66) [1, 2006.01]
71/50	 • Manual reset mechanisms [1, 2006.01] 	73/50	 reset by lever [1, 2006.01]
71/52	 • actuated by lever [1, 2006.01] 	73/52	 reset by tumbler [1, 2006.01]
71/54	• • • actuated by tumbler [1, 2006.01]	73/54	 reset by rotatable knob or wheel [1, 2006.01]
71/56	• • • actuated by rotatable knob or	73/56	• reset by push-button, pull-knob, or
,	wheel [1, 2006.01]	7 2 / 5 0	slide [1, 2006.01]
71/58	 actuated by push-button, pull-knob, or 	73/58	• • reset by closure of switch casing [1, 2006.01]
	slide [1, 2006.01]	73/60 73/62	• cartridge type, e.g. screw-in cartridge [1, 2006.01]
71/60	• • • actuated by closure of switch	73/62 73/64	having only electrothermal release [1, 2006.01]having only electromagnetic release [1, 2006.01]
	casing [1, 2006.01]	73/64	 having only electromagnetic release [1, 2006.01] having combined electrothermal and
71/62	• • • with means for preventing resetting while	75/00	electromagnetic release [1, 2006.01]
	abnormal condition persists, e.g. loose handle arrangement [1, 2006.01]		erectioning.reac resease [2, 200002]
71/64	• • • • incorporating toggle linkage [1, 2006.01]	75/00	Protective overload circuit-breaking switches in
71/66	 Power reset mechanisms [1, 2006.01] 		which excess current opens the contacts by automatic
71/68	• • • actuated by electromagnet [1, 2006.01]		release of mechanical energy stored by previous operation of power reset mechanism [1, 2006.01]
71/70	• • • actuated by electric motor [1, 2006.01]	75/02	 Details [1, 2006.01]
71/72	• • actuated automatically a limited number of	75/04	Reset mechanisms for automatically reclosing a
	times [1, 2006.01]	75701	limited number of times (circuit arrangements
71/74	 Means for adjusting the conditions under which the 		H02H 3/06) [1, 2006.01]
	device will function to provide	75/06	• • • effecting one reclosing action only [1, 2006.01]
	protection [1, 2006.01]	75/08	 having only electrothermal release [1, 2006.01]
73/00	Protective overload circuit-breaking switches in	75/10	 having only electromagnetic release [1, 2006.01]
	which excess current opens the contacts by automatic	75/12	having combined electrothermal and electromagnetic
	release of mechanical energy stored by previous		release [1, 2006.01]
	operation of a hand reset mechanism [1, 2006.01]	77/00	Protective overload circuit-breaking switches
73/02	• Details [1, 2006.01]		operated by excess current and requiring separate
73/04	• • Contacts [1, 2006.01]		action for resetting (H01H 73/00, H01H 75/00 take
73/06	• Housings; Casings; Bases; Mountings [1, 2006.01]		precedence) [1, 2006.01]
73/08	• • • Plug-in housings [1, 2006.01]	77/02	• in which the excess current itself provides the energy
73/10	• • Cartridge housings, e.g. screw-in		for opening the contacts, and having a separate reset
73/12	housing [1, 2006.01]	77/04	mechanism [1, 2006.01]
/3/12	 Means for indicating condition of the switch [1, 2006.01] 	77/04 77/06	• • with electrothermal opening [1, 2006.01]
73/14	Indicating lamp structurally associated with the	77/08	with electromagnetic opening [1, 2006.01]retained closed by permanent or remanent
, 5, 1.	switch [1, 2006.01]	77700	magnetism and opened by windings acting in
73/16	Distinguishing marks, e.g. colour		opposition [1, 2006.01]
	coding [1, 2006.01]	77/10	• • with electrodynamic opening [1, 2006.01]
73/18	 Means for extinguishing or suppressing 		
	arc [1, 2006.01]	79/00	Protective switches in which excess current causes
73/20	• • Terminals; Connections [1, 2006.01]		the closing of contacts, e.g. for short-circuiting the
73/22	• having electrothermal release and no other automatic		apparatus to be protected [1, 2006.01]
70 /0 /	release (cartridge type H01H 73/62) [1, 2006.01]	81/00	Protective switches in which contacts are normally
73/24	• • reset by lever [1, 2006.01]		closed but are repeatedly opened and reclosed as
73/26 73/28	reset by tumbler [1, 2006.01]reset by rotatable knob or wheel [1, 2006.01]		long as a condition causing excess current persists,
13120			
	reset by rotatable known wheel [1, 2000.01]	01/02	e.g. for current limiting [1, 2006.01]
	reset by iotatable knob of wheel [1, 2000.01]	81/02	• electrothermally-operated [1, 2006.01]

81/04	• electromagnetically-operated [1, 2006.01]	85/11 • • • • • with applied local area of a metal which, on melting, forms a eutectic
83/00	Protective switches, e.g. circuit-breaking switches, or protective relays operated by abnormal electrical conditions otherwise than solely by excess	with the main material of the fusible member, i.e. M-effect devices [5, 2006.01]
83/02	current [1, 2006.01]operated by earth fault currents (H01H 83/14 takes	85/12 • • • • • Two or more separate fusible members in parallel [1, 5, 2006.01]
83/04	precedence) [1, 2006.01]with testing means for indicating the ability of the	85/143 • • • • Electrical contacts; Fastening fusible members to such contacts [5, 2006.01]
	switch or relay to function properly [1, 2006.01]	85/147 • • • • Parallel-side contacts [5, 2006.01]
83/06	 operated by current falling below a predetermined value [1, 2006.01] 	85/15 • • • • Screw-in contacts [5, 2006.01]
83/08	• operated by reversal of DC [1, 2006.01]	85/153 • • • • Knife-blade-end contacts [5, 2006.01]
83/10	operated by excess voltage, e.g. for lightning	85/157 • • • • Ferrule-end contacts [5, 2006.01] 85/165 • • • Casings [5, 2006.01]
	protection [1, 2006.01]	85/17 • • • • characterised by the casing
83/12	 operated by voltage falling below a predetermined value, e.g. for no-volt protection [1, 2006.01] 	material [5, 2006.01]
83/14	operated by imbalance of two or more currents or	85/175 • • • • characterised by the casing shape or
	voltages, e.g. for differential protection [1, 2006.01]	form [5, 2006.01] 85/18 • • • • Casing fillings, e.g. powder [1, 2006.01]
83/16	operated by abnormal ratio of voltage and current,	85/20 • Bases for supporting the fuse; Separate parts
83/18	e.g. distance relay [1, 2006.01]operated by abnormal product of, or abnormal phase	thereof [1, 2006.01]
03/10	angle between, voltage and current, e.g. directional	85/22 • Intermediate or auxiliary parts for carrying,
	relay [1, 2006.01]	holding, or retaining fuse, co-operating with base or fixed holder, and removable therefrom for
83/20	operated by excess current as well as by some other	renewing the fuse [1, 2006.01]
83/22	abnormal electrical condition [1, 2006.01]the other condition being imbalance of two or	85/24 • • Means for preventing insertion of incorrect
03/22	more currents or voltages [1, 2006.01]	fuse [1, 2006.01]
05 /00	Proposition de Constant Little de la constant de la deconstant	85/25 • Safety arrangements preventing or inhibiting contact with live parts, including operation of
85/00	Protective devices in which the current flows through a part of fusible material and this current is	isolation on removal of cover [5, 2006.01]
	interrupted by displacement of the fusible material	85/26 • • Magazine arrangements [1, 2006.01]
	when this current becomes excessive (switches	85/28 • • • effecting automatic replacement [1, 2006.01]
	actuated by melting of fusible material H01H 37/76; disposition or arrangement of fuses on boards	• • Means for indicating condition of fuse structurally associated with the fuse [1, 2006.01]
	H02B 1/18) [1, 2006.01]	85/32 • • • Indicating lamp structurally associated with the
85/02	• Details [1, 2006.01]	protective device [1, 2006.01]
85/04	 Fuses, i.e. expendable parts of the protective device, e.g. cartridges [1, 2006.01] 	85/34 • • Distinguishing marks, e.g. colour coding [1, 2006.01]
85/041	• • • characterised by the type [5, 2006.01]	85/36 • • Means for applying mechanical tension to fusible
	• • • General constructions or structure of high	member [1, 2006.01]
	voltage fuses, i.e. above 1,000 V [5, 2006.01]	85/38 • • Means for extinguishing or suppressing arc (by powder filling H01H 85/18; by mechanical tension
85/044	• • • General constructions or structure of low	applied to fusible member
	voltage fuses, i.e. below 1,000 V, or of fuses where the applicable voltage is not specified	H01H 85/36) [1, 2006.01] 85/40 • • using an arc-extinguishing liquid (characterised
	(H01H 85/046-H01H 85/048 take precedence) [5, 2006.01]	by the composition of the liquid H01H 33/22) [1, 2006.01]
85/0445		85/42 • • • using an arc-extinguishing gas (characterised
	H01H 85/048 take	by the composition of the gas
85/045	precedence) [5, 2006.01] • • • • cartridge type [5, 2006.01]	H01H 33/22) [1, 2006.01] 85/43 • • Means for exhausting or absorbing gases liberated
85/046	• • • Fuses formed as printed circuits [5, 2006.01]	by fusing arc, or for ventilating excess pressure
85/047	• • • Vacuum fuses [5, 2006.01]	generated by heating [5, 2006.01]
85/048	• • • • Fuse resistors [5, 2006.01]	85/44 • • Structural association with spark-gap
85/05	• • Component parts thereof [5, 2006.01]	arrester [1, 2006.01] 85/46 • Circuit arrangements not adapted to a particular
85/055 85/06	• • • Fusible members [5, 2006.01]	application of the protective device [1, 2006.01]
05/06	• • • • characterised by the fusible material (H01H 85/11 takes	85/47 • • Means for cooling [5, 2006.01]
	precedence) [1, 5, 2006.01]	• Protective devices wherein the fuse is carried or held
85/08	• • • • characterised by the shape or form of the fusible member [1, 5, 2006.01]	directly by the base [1, 2006.01] 85/50 • the fuse having contacts at opposite ends for co-
85/10	ullet $ullet$ $ullet$ $ullet$ with constriction for localised fusing	operation with the base [1, 2006.01] 85/52 • the fuse being adapted for screwing into the
	(H01H 85/11 takes precedence) [1, 5, 2006.01]	base [1, 2006.01]

- Protective devices wherein the fuse is carried, held, or retained by an intermediate or auxiliary part removable from the base, or used as sectionalisers [1, 2006.01]
 the intermediate or auxiliary part having side contacts for plugging into the base, e.g. bridge-carrier type [1, 2006.01]
- 85/58 • with intermediate auxiliary part and base shaped to interfit and thereby enclose the fuse [1, 2006.01]
- 85/60 the intermediate or auxiliary part having contacts at opposite ends for co-operation with the base [1, 2006.01]
- 85/62 the intermediate or auxiliary part being adapted for screwing into the base [1, 2006.01]
- 87/00 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 [1, 3, 2006.01]

- 89/00 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]
- 89/02 Combination of a key operated switch with a manually operated switch, e.g. ignition and lighting switches [2006.01]
- 89/04 Combination of a thermally actuated switch with a manually operated switch [2006.01]
- 89/06 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]
- 89/08 • with both devices using the same contact pair [2006.01]
- 89/10 • with each device controlling one of the two cooperating contacts [2006.01]