

	<b>A Mechanical equipment</b>					
	<b>AA</b> Valves, dampers, etc., incl. actuators, also manual; rupturedisk equipment					
	<b>AB</b> Isolating elements, air locks					
	<b>AC</b> Heat exchangers, heat transfer surfaces					
	<b>AD</b> -blocked-					
	<b>AE</b> Turning, driving, lifting and slewing gear (also manipulators)					
	<b>AF</b> Continuous conveyors, feeders (escalators)					
	<b>AG</b> Generator units					
	<b>AH</b> Heating, cooling and air conditioning units					
	<b>AJ</b> Size reduction equipment, only as part of process					
	<b>AK</b> Compacting and packaging equipment, only as part of process					
	<b>AL</b> -blocked-					
	<b>AM</b> Mixers, agitators					
	<b>AN</b> Compressor units, fans					
	<b>AP</b> Pump units					
	<b>AQ</b> -blocked-					
	<b>AR</b> -blocked-					
	<b>AS</b> Adjusting and tensioning equipment for non-electrical variables (to be applied only, if the actuator forms itself a constructive unit with another equipment unit)					
	<b>AT</b> Cleaning, drying, filtering and separating equipment, excl. *BT*					
	<b>AU</b> Braking, gearbox, coupling equipment, non-electrical converters					
	<b>AV</b> Combustion equipment					
	<b>AW</b> Stationary tooling, treatment equipment					
	<b>AX</b> Test and monitoring equipment for plant maintenance					
	<b>AY</b> -blocked-					
	<b>AZ</b> -blocked-					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page A1
	Revision					

	<b>B</b>	<b>Mechanical equipment</b>				
	<b>BA</b>	-blocked-				
	<b>BB</b>	Storage equipment (tanks)				
	<b>BC</b>	-blocked-				
	<b>BD</b>	-blocked-				
	<b>BE</b>	Shafts (for erection and maintenance only)				
	<b>BF</b>	Foundations				
	<b>BG</b>	-blocked-				
	<b>BH</b>	-blocked-				
	<b>BJ</b>	-blocked-				
	<b>BK</b>	-blocked-				
	<b>BL</b>	-blocked-				
	<b>BM</b>	-blocked-				
	<b>BN</b>	Jet pumps, ejectors, injectors				
	<b>BP</b>	Flow restrictors, limiters, orifices (not metering orifices)				
	<b>BQ</b>	Hangers, supports, racks, piping penetrations				
	<b>BR</b>	Piping, ductwork, chutes				
	<b>BS</b>	Silencers				
	<b>BT</b>	Flue gas catalytic converter modules				
	<b>BU</b>	Insulation, sheathing				
	<b>BV</b>	-blocked-				
	<b>BW</b>	-blocked-				
	<b>BX</b>	-blocked-				
	<b>BY</b>	-blocked-				
	<b>BZ</b>	-blocked-				

I N D E X	VGB Working Panel					
	Reference Designation and Plant Documentation					Page B1
	Revision					

	<b>C Direct measuring circuits</b> <b>(Data character A2 following DIN 19227, part 1,</b> <b>September 1973 edition, table 1, initial letter)</b>					
	<b>CA</b> -blocked-					
	<b>CB</b> -blocked-					
	<b>CC</b> -blocked-					
	<b>CD</b> Density					
	<b>CE</b> Electrical variables (e.g. current, voltage, power, electr. frequency)					
	<b>CF</b> Flow, rate					
	<b>CG</b> Distance, length, position, direction of rotation					
	<b>CH</b> Manual input as manually operated sensor (e.g. fire detector)					
	<b>CJ</b> -blocked-					
	<b>CK</b> Time					
	<b>CL</b> Level (also for dividing line)					
	<b>CM</b> Moisture, humidity					
	<b>CN</b> -blocked-					
	<b>CP</b> Pressure					
	<b>CQ</b> Quality variables (analysis, material properties), other than *CD*, *CM*, *CV*					
	<b>CR</b> Radiation variables					
	<b>CS</b> Velocity, speed, frequency (mechanical), acceleration					
	<b>CT</b> Temperature					
	<b>CU</b> Combined and other variables					
	<b>CV</b> Viscosity					
	<b>CW</b> Weight, mass					
	<b>CX</b> Neutron flux					
	<b>CY</b> Vibration, expansion					
	<b>CZ</b> -blocked-					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page C1
	Revision					

	<b>D Closed loop control circuits</b> <b>(Data character A2 following DIN 19227, part 1,</b> <b>September 1973 edition, table 1, initial letter)</b>					
	<b>DA</b> -blocked-					
	<b>DB</b> -blocked-					
	<b>DC</b> -blocked-					
	<b>DD</b> Density					
	<b>DE</b> Electrical variables (e.g. current, voltage, power, electr. frequency)					
	<b>DF</b> Flow, rate					
	<b>DG</b> Distance, length, position, direction of rotation					
	<b>DH</b> -blocked-					
	<b>DJ</b> -blocked-					
	<b>DK</b> Time					
	<b>DL</b> Level (also for dividing line)					
	<b>DM</b> Moisture, humidity					
	<b>DN</b> -blocked-					
	<b>DP</b> Pressure					
	<b>DQ</b> Quality variables (analysis, material properties), other than *DD*, *DM*, *DV*					
	<b>DR</b> Radiation variables					
	<b>DS</b> Velocity, speed, frequency (mechanical), acceleration					
	<b>DT</b> Temperature					
	<b>DU</b> Combined and other variables					
	<b>DV</b> Viscosity					
	<b>DW</b> Weight, mass					
	<b>DX</b> Neutron flux					
	<b>DY</b> Vibration, expansion					
	<b>DZ</b> -blocked-					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page D1
	Revision					

E	Analog and binary signal conditioning					
	EA	Open loop control (free for use)				
	EB	Open loop control (free for use)				
	EC	Open loop control (free for use)				
	ED	Open loop control (free for use)				
	EE	Open loop control (free for use)				
	EF	-blocked-				
	EG	Alarm, annunciation (free for use)				
	EH	Alarm, annunciation (free for use)				
	EJ	Alarm, annunciation (free for use)				
	EK	Alarm, annunciation (free for use)				
	EL	-blocked-				
	EM	Process computer (free for use)				
	EN	Process computer (free for use)				
	EP	Process computer (free for use)				
	EQ	Process computer (free for use)				
	ER	Reactor protection				
	ES	-blocked-				
	ET	-blocked-				
	EU	Combined analog and binary signal conditioning				
	EV	-blocked-				
	EW	Protection (free for use)				
	EX	Protection (free for use)				
	EY	Protection (free for use)				
	EZ	Protection (free for use)				

I N D E X	VGB Working Panel					
	Reference Designation and Plant Documentation					
	Page E1					
Revision						

	<b>F Indirect measuring circuits</b> <b>(Data character A2 following DIN 19227, part 1,</b> <b>September 1973 edition, table 1, initial letter)</b>					
	<b>FA</b> -blocked-					
	<b>FB</b> -blocked-					
	<b>FC</b> -blocked-					
	<b>FD</b> Density					
	<b>FE</b> Electrical variables (e.g. electr. efficiency, power)					
	<b>FF</b> Flow, rate					
	<b>FG</b> Distance, length, position, direction of rotation					
	<b>FH</b> -blocked-					
	<b>FJ</b> -blocked-					
	<b>FK</b> Time					
	<b>FL</b> Level (also for dividing line)					
	<b>FM</b> Moisture, humidity					
	<b>FN</b> -blocked-					
	<b>FP</b> Pressure					
	<b>FQ</b> Quality variables (analysis, material properties), other than *FD*, *FM*, *FV*					
	<b>FR</b> Radiation variables					
	<b>FS</b> Velocity, speed, frequency (mechanical), acceleration					
	<b>FT</b> Temperature					
	<b>FU</b> Combined and other variables					
	<b>FV</b> Viscosity					
	<b>FW</b> Weight, mass					
	<b>FX</b> Neutron flux					
	<b>FY</b> Vibration, expansion					
	<b>FZ</b> -blocked-					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page F1
	Revision					

c	G	Electrical, Instrumentation and Control equipment					
	GA	Junction boxes and cable/bus bar penetrations (free for use)					
	GB	Junction boxes and cable/bus bar penetrations (free for use)					
	GC	Junction boxes and cable/bus bar penetrations (free for use)					
	GD	Junction boxes and cable/bus bar penetrations (free for use)					
	GE	Junction boxes and cable/bus bar penetrations (free for use)					
	GF	Junction boxes and cable/bus bar penetrations (free for use)					
	GG	Junction boxes and cable/bus bar penetrations (free for use)					
	GH	Electrical and instrumentation and control installation units identified as per process system (e.g. cubicles, boxes)					
	c	GJ	Processing and storage equipment for automation systems				
		GK	Information display and operator control equipment for process computers and automation systems				
	d	GL	Limiting equipment (i.g. short circuit current limiting reactor)				
		GM	Junction boxes for light-current systems of national telecommunication services				
	c	GN	Network equipment				
		GP	Subdistribution/junction boxes for lighting				
		GQ	Subdistribution/junction boxes for power sockets				
		GR	DC generating equipment, batteries				
		GS	Switchgear equipment if not identified under process equipment				
		GT	Transformer equipment				
		GU	Converter equipment				
		GV	Structure-related earthing and lightning protection equipment, surge arrestors				
		GW	Cabinet power supply equipment				
		GX	Actuating equipment for electrical variables				
		GY	Junction boxes for light-current systems (not of national telecommunication services)				
		GZ	Hangers, supports and racks for electrical and instrumentation and control equipment				
INDEX	VGB Working Panel Reference Designation and Plant Documentation						
	Page G1						
	Revision	d 08/07	c				

	<b>H Subassemblies of main and heavy machinery</b> <b>(only to be used in conjunction with *M* = Main machine sets</b> <b>and *X* = Heavy machinery)</b>					
	<b>HA</b> Machine stationary assembly					
	<b>HB</b> Machine rotating assembly					
	<b>HC</b> -blocked-					
	<b>HD</b> Bearing assembly					
	<b>HE</b> -blocked-					
	<b>HF</b> -blocked-					
	<b>HG</b> -blocked-					
	<b>HH</b> -blocked-					
	<b>HJ</b> -blocked-					
	<b>HK</b> -blocked-					
	<b>HL</b> -blocked-					
	<b>HM</b> -blocked-					
	<b>HN</b> -blocked-					
	<b>HP</b> -blocked-					
	<b>HQ</b> -blocked-					
	<b>HR</b> -blocked-					
	<b>HS</b> -blocked-					
	<b>HT</b> -blocked-					
	<b>HU</b> -blocked-					
	<b>HV</b> -blocked-					
	<b>HW</b> -blocked-					
	<b>HX</b> -blocked-					
	<b>HY</b> -blocked-					
	<b>HZ</b> -blocked-					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page H1
	Revision					



J	<b>Nuclear assemblies</b>					
	<b>JA</b> Absorber assemblies					
	<b>JB</b> Fuel assemblies (also includes block-type, cluster-type and spherical fuel elements)					
	<b>JC</b> Breeder assemblies					
	<b>JD</b> Flow restrictors (assemblies)					
	<b>JE</b> Burnable absorber assemblies					
	<b>JF</b> Reflector assemblies					
	<b>JG</b> Plenum assemblies					
	<b>JH</b> -blocked-					
	<b>JJ</b> -blocked-					
	<b>JK</b> -blocked-					
	<b>JL</b> -blocked-					
	<b>JM</b> Moderator assemblies					
	<b>JN</b> Neutron sources					
	<b>JP</b> -blocked-					
	<b>JQ</b> -blocked-					
	<b>JR</b> -blocked-					
	<b>JS</b> Shielding equipment					
	<b>JT</b> -blocked-					
	<b>JU</b> -blocked-					
	<b>JV</b> -blocked-					
	<b>JW</b> -blocked-					
	<b>JX</b> -blocked-					
	<b>JY</b> -blocked-					
	<b>JZ</b> Special assemblies					
I N D E X	VGB Working Panel Reference Designation and Plant Documentation					Page J1
	Revision					

K -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page K1
	Revision						

L      -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page L1
	Revision						

<div>M<div>-blocked-</div></div>							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page M1
	Revision						

N -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page N1
	Revision						

<div>P<div>-blocked-</div></div>							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page P1
	Revision						

Q -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page Q1
	Revision						

R      -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page R1
	Revision						



<div>S<div>-blocked-</div></div>							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page S1
	Revision						

T -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page T1
	Revision						

U      -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page U1
	Revision						

V -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page V1
	Revision						

W -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page W1
	Revision						

<div>X<div>-blocked-</div></div>							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page X1
	Revision						

	<div>Y<div>-blocked-</div></div>					
I N D E X	VGB Working Panel					
	Reference Designation and Plant Documentation					Page Y1
	Revision					

Z -blocked-							
I N D E X	VGB Working Panel						
	Reference Designation and Plant Documentation						Page Z1
	Revision						