

PRODUCT CATALOGUE

Transformers accessories



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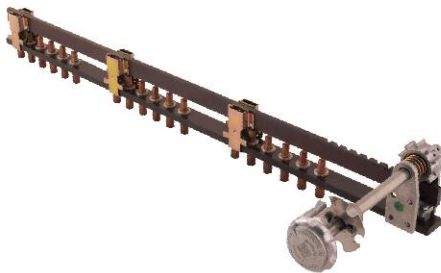
De-energized tap-changers

De-energized tap-changers

EN 60214-1



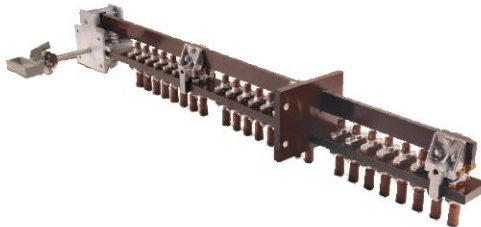
Linear type	ELMEK KDN
Maximum voltage	24-36
Rated current	10-30-63
Number of positions	2-7
Connection type	Delta, star, series-parallel Common-output per Phase, star-delta



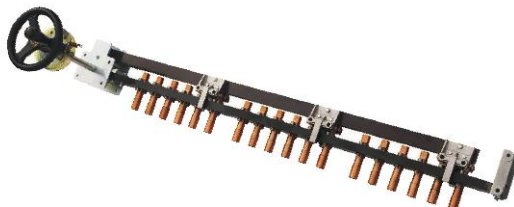
Linear type	ELMEK KDZ
Maximum voltage	12-24-36
Rated current	30-63-150
Number of positions	2-11
Connection type	Delta, star, series-parallel



Linear type	ELMEK KDM
Maximum voltage	24-36
Rated current	30-63-150
Number of positions	2-7
Connection type	Delta, star, series-parallel



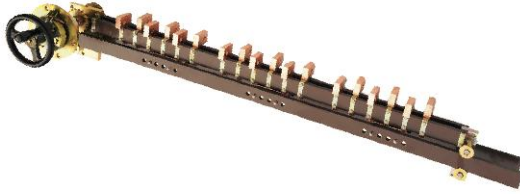
Linear type	ELMEK KDF II
Maximum voltage	24-36-72
Rated current	150-400
Number of positions	2-11
Connection type	Delta, star, series-parallel Common-output per phase, Star-Delta



Linear type	ELMEK KDF III
Maximum voltage	24- 36
Rated current	400-800
Number of positions	2- 6
Connection type	Delta, star, series-parallel Common-output per phase

De-energized tap-changers

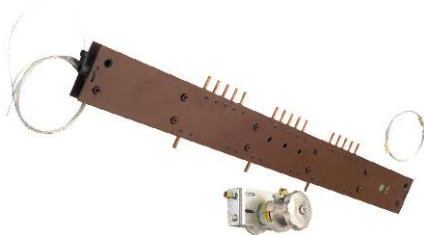
EN 60214-1



Linear type	ELMEK KDF IV
Maximum voltage	24- 36
Rated current	800-1800
Number of positions	2-5
Connection type	Delta, star, series-parallel



Rotary type	ELMEK KDV
Maximum voltage	24
Rated current	100-150-300
Number of positions	2-6
Connection type	Delta



Linear type	ELMEK COT (cable operated)
Maximum voltage	24-36
Rated current	30-63
Number of positions	3-7
Connection type	Delta, star, series-parallel Common-output per phase, star-delta



Remote control device for ELMEK KDF





Bushings

Bushings

DIN bushings

LV bushings DIN 42530
Um 1,2kV & Ir from 250A to 3150A



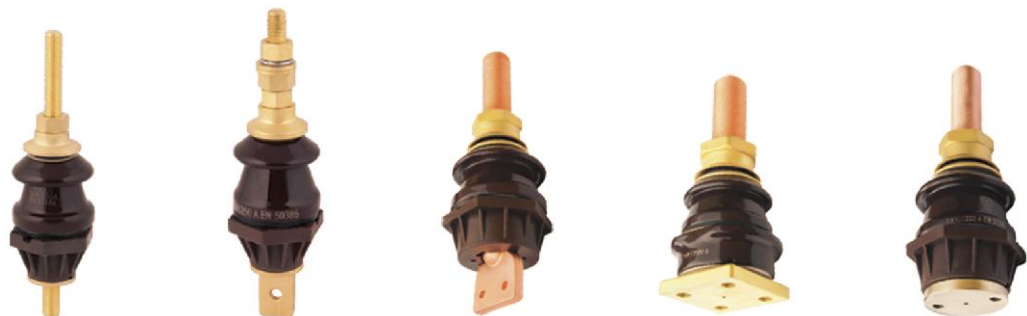
DIN bushings

LV Bushings DIN 42539
Um 3,6kV & Ir From 250A to 3150A



DIN bushings

LV bushings EN 50386
Um 3,6kV & Ir from 250A to 4000A



DIN bushings

HV bushings DIN 42531, DIN 42532, DIN 42533, DIN 42534
Um from 12kV to 52kV & Ir from 250A to 3150A



Bushings

BS and EN bushings

LV and HV bushings BS 2562, EN 50336
Um from 1,1kV to 24kV & Ir from 250A to 1600A



BS and EN bushings

Epoxy-resin monoblock bushing BS 2562, EN 50336
Um from 1,1kV & Ir from 800A to 2500A



Custom design bushings

LV and HV bushings
Um from 1,2kV to 52kV & Ir from 250A to 6500A



Bushings

Epoxy-Resin Bushing

Standard IEEE C57.12.00 - Um 3,5kV & Ir from 4300A to 5400A
 Standard IEC EN 60137 - Um 3,6kV & Ir from 4300A to 5400A



Connectors



Flags

Standard DIN 43675 and special flags
 From 250A to 6500A



General metal parts

From brass and copper







**Measurement and
safety devices**

Relays

Buchholz relay EN 50216-2 and DIN 42566

Buchholz relays



Type	BR25 - F16
Max. number of switch	2
Nominal diameter	DN 25
Connection type	Flanged
Transformer capacity (kVA)	≤ 5000



Type	BR25 - V16
Max. number of switch	2
Nominal diameter	DN 25
Connection type	Male thread G1 1/2"
Transformer capacity (kVA)	≤ 5000



Type	BR25 - V50
Max. number of switch	2
Nominal diameter	DN 25
Connection type	Male thread G1 1/2"
Transformer capacity (kVA)	≤ 5000



Type	BR25 - F50
Max. number of switch	2
Nominal diameter	DN 25
Connection type	Flanged
Transformer capacity (kVA)	≤ 5000



Type	BR50 - F100
Max. number of switch	2
Nominal diameter	DN 50
Connection type	Flanged
Transformer capacity (kVA)	≥ 5000 - ≤ 10000

Relays

Buchholz relay EN 50216-2 and DIN 42566

Buchholz relay



Type	BR80 - F100
Max. number of switch	2
Nominal diameter	DN 80
Connection type	Flanged
Transformer capacity (kVA)	≥ 10000



Type	BR80 - KF100
Max. number of switch	2
Nominal diameter	DN 80
Connection type	Square Flanged
Transformer capacity (kVA)	≥ 10000

Hermetic relay



Type	HER 1	HER 2	HER 3
Length (mm)	239	204	128
Operating pressure (bar)	0.5	0.5	0.5
Switch rating	5A 125VAC - 3A 250 VAC		

Integrated safety detector RIS



Functions	Measure value	Switch
Oil level (float) gas evolment	Max 173 cm ³ gas volume	Min. level
Pressure	100-500 mbar	Alarm
Temperature	30-120°C T1 Stop/T2 alarm	
Thermometer	30-160°C	-

Thermometers

Thermometers with or without contact

Dial thermometers



Type	DBT
Measuring principle	Bimetal
Nominal size	75 - 100
Measuring range	0°C ~ 120°C

Machine glass thermometer (DIN 16160-3)



Type	ST 130
Probe length (mm)	100
Working liquid	Alcohol
Measuring range	-20°C ~ 120°C
Connection diameter	G $\frac{1}{2}$ "
Pocket diameter	12mm

Bimetal thermometers without contact (DIN 16160-2)



Type	TES 14	TES 16	TES A 16
Connection diameter	G $\frac{1}{2}$ "	G1"	G $\frac{3}{4}$ "
Measuring principle	Bimetal		
Measuring range	+10°C ~ +120°C		

Bimetal thermometers with contact (DIN 16160-2)



Type	TEK 14	TEK 16	TEK A 16
Connection diameter	G $\frac{1}{2}$ "	G1"	G $\frac{3}{4}$ "
Measuring principle	Bimetal		
Measuring range	10°C ~ 120°C		
Switch rating	5A 125VAC - 3A 250VAC		

Pressure safety valves

Pressure safety valves with or without contact

Pressure safety valves without contact



Type	T-0,5
Connection diameter	½" - 14 NPT
Working pressure range (bar)	5-10



Type	T-10K 1
Connection diameter	G1" - G1 ½" - G2"
Working pressure range (bar)	0,20 - 0,80



Type	T-10
Connection diameter	G1" - G1 ½" - G2"
Working pressure range (bar)	0,20 - 0,80



Type	V-50
Bore diameter (mm)	50
Working pressure range (bar)	0,25 - 0,80



Type	V-80
Bore diameter (mm)	80
Working pressure range (bar)	0,25 - 0,80



Type	V-125
Bore diameter (mm)	125
Working pressure range (bar)	0,25 - 0,80

Pressure safety valves with contact



Type	T-50
Contact system	Mechanical
Working pressure range (Bar)	0,30 - 0,80
Switch rating	5A 125VAC - 3A 250VAC - 10A 250VAC
Bore diameter (mm)	50



Type	T-80
Contact system	Mechanical
Working pressure range (bar)	0,30 - 0,80
Switch rating	240V 3A (Ith=10A)
Bore diameter (mm)	80

Oil level indicators

Oil level indicators without contact

Magnetic oil level indicators without contact



Square type (DIN 42569)	KSS A
Flange dimension (mm)	60x60
Floater length max (mm) Standard	308



Square type (DIN 42569)	KSS B
Flange dimension (mm)	80x80
Floater length max (mm)	308



Circular type	KSS F
Flange dimension (mm)	Ø80
Floater length max (mm)	308



Circular type	KSS G
Flange dimension (mm)	Ø100
Floater length max (mm)	308

Oil level indicators

Oil level indicators without contact

Vertical oil level indicators without contact



Type	KSS C
Connection	Male G1"



Type	KSS E
Connection	G1 ½"
Sweep distance (mm)	90



Type	KSS D		
Connection	G1"	G1 ½"	G2"
Sweep distance (mm)	40		

Oil level indicators

Radial oil level indicators with or without contact



Type (DIN 42569)	KYSA - B0	KYSA - B1	KYSA - B2
Number of switch	0	1	2/4
Switch rating	5A 125VAC - 3A 250VAC		



Type	KYSB - B0	KYSB - B1	KYSB - B2
Number of switch	0	1	2/4
Switch rating	5A 125VAC - 3A 250VAC		



Type	KYSC - B0	KYSC - B1	KYSC - B2
Number of switch	0	1	2/4
Switch rating	5A 125VAC - 3A 250VAC		



Type	KYSD - B0	KYSD - B1	KYSD - B2
Number of switch	0	1	2/4
Switch rating	5A 125VAC - 3A 250VAC		



Type	KYSE - B0	KYSE - B1	KYSE - B2
Number of switch	0	1	2/4
Switch rating	5A 125VAC - 3A 250VAC		

Moisture holders

DIN 42567 - DIN 42562 with or without silica gel



Type	
Silica gel capacity (kg)	0.15
Connection	Female G 1/2"
Reservoir material	Polycarbonate



Type	FORM A	
Silica gel capacity (kg)	0,5	1,0
Reservoir material	Glass	



Type	FORM B	
Silica gel capacity (kg)	0,5	1,0
Reservoir material	Glass	



Type	FORM C	
Silica gel capacity (kg)	0.5	1.0
Connection	Female G 1/2" - G 3/4" - G1"	
Reservoir material	Glass	



Type	FORM D				
Silica gel capacity (kg)	0.72	5.0	10.0	25.2	43.2
Reservoir material	Acrylic		Polycarbonate		



Type	FORM E				
Silica gel capacity (kg)	1.2	2.4	3.6	4.8	6.0
Reservoir material	Glass				





Metal accessories

Metal accessories

Transformer wheels DIN 42561



	Ø125x6	Ø125x10	Ø160x10	Ø200x10
Carrying capacity (kg)	1200	2500	3500	6000

Transformer wheels modified DIN 42561-1



Form Z with bolt



Form F with locked



Form R with guided

	Ø125x6	Ø125x10	Ø160x10	Ø200x10
Carrying capacity (kg)	1200	2500	3500	6000

Transformer wheels



Form X	Ø125x4
Carrying capacity (kg)	2500



Form Y	Ø50	Ø70	Ø80	Ø90
Carrying capacity (kg)	500	1500	3000	4500

Metal accessories

Oil draining devices DIN 42551 - EN 50216-4



Type	NW 22	NW 31	NW40
Connection	Above 800 to 1600 kVA		

Thermometer case DIN 42554 - EN 50216-4



Plug	With or without		
Connection	G1"	G 1/2"	G 3/4"

Plugs



Connection	G 1/2" - G 3/4" - G1"
Material	Brass, aluminium

Single flanged ball valve



Type	NW 15S	NW 25S	NW 50S
Connection	DN15-G 1/2"	DN25-G1"	DN50-G2"

Double flanged ball valve



Type	NW 15D	NW 25D	NW 50D
Connection	DN15	DN25	DN50

Throttle valve DIN 42560



Type	NW 80
Connection	DN80

Metal accessories

CT terminal block and box



Cable glands for industrial applications M20 to M85 - special type



Cable glands for hazardous applications



Ventilation glands



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