

Strategy of development



IEK Group is a leading Russian manufacturer and supplier of electrical and lighting products bearing the brand IEK® and telecommunications products bearing the brand ITK®.

IEK Group offers a wide range of equipment for integrated ready-for-use solutions in the areas of construction, communal services, transport, infrastructure, industry, power engineering and telecommunications. IEK Group acts on electrical engineering market since 1999 and is now a serious competitor for major global brands. IEK Group has modern research and manufacturing basis, invests primarily in production in Russia and strives for maximum utilization of its own manufacturing potential, facilitating the development of entire electrical engineering sector. In the end of 2014, IEK® products were awarded with "Brand No.1 in Russia" title of people's confi-

dence in category "Electrical engineering". This is a confirmation of successful import substitution and high consumer confidence and also another achievement of IEK Group as Russian manufacturer!

Products of IEK Group represent a wide range of electrical devices that comply with all international standards, and at the same time meeting requirements of domestic market and expectations of Russian consumers to the fullest extent.

IEK Group continuously expands its range of products. Currently, about 7 thousands of items types are in production, that serve as a basis for integrated ready-for-use solutions for power supply of any facility in any sector. Optimum price-to-value ratio and maximum availability throughout the country ensure high loyalty of clients and solid market positions for IEK® products.





Today IEK Group enters the new markets, actively mastering the manufacture of electrical motors and high-voltage equipment as well as telecommunications products.

IEK® brand is a mark of quality

IEK Group has become an example for many Russian companies, creating truly international brand in the area of electrical engineering. It is known for already 16 years and guarantees quality and reliability. The company has established its own system of warranty and post-warranty service, signed partnership contracts with the most well-known and reliable service companies of Russia that carry out maintenance of IEK® products. The specialists of IEK Group technical department carry out the whole package of scientific, research,

development and technological works, carefully monitor the safety and reliability of IEK® electrical equipment.

Geographical coverage of IEK Group sales

Today the IEK® products can be purchased in any Russian region and abroad. The IEK Group sales geography covers Russia, countries of former USSR, Romania, Baltic and East Asian countries. Extensive network of representative offices and subsidiaries allows the prompt satisfaction of arising market demands.

Powerful logistic network

IEK Group includes 11 ultra-modern distribution centers for finished products: five in Russia and six abroad. The network covers Central Russia, Siberia, Eastern Europe, coun-



tries of North-West and East Asia.

IEK Group partner support program

One of the main secrets of IEK success is IEK Partners Club. A community of front-rank companies in the industry exists for many years and is a solidary team of leaders. The main priorities of the IEK Partners Club include fairness, confidence and mutual support. IEK Group is the first Russian company on low-voltage equipment market that established educational web portal, implemented technology of training webinars and organized free training for employees of partner companies.

Social responsibility of IEK Group

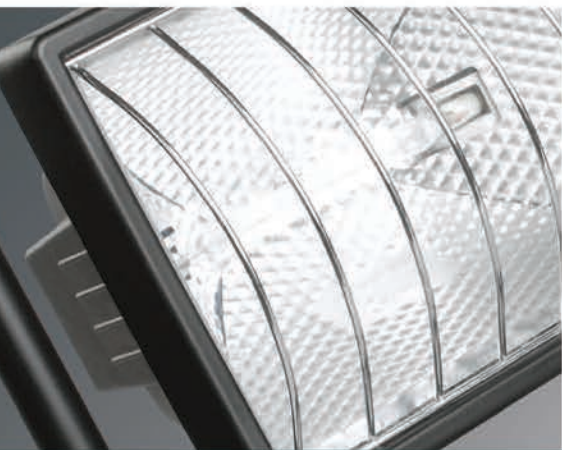
is shown by its cooperation with leading Russian educational institutions. IEK Group actively

assists in spreading of modern technologies and innovations on the Russian market of electrical equipment.

IEK Group has created a unique informational web resource for specialists in the field of power and electrical engineering, called "Professional Community". Innovative internet service IEK+ is successfully developed and used, which was created for support of designers and combines informational and educational functions, programming tools for work, technical support features and bonus system.

IEK Group successfully develops and implements new technologies, establishes a system of values that become universally recognized standards and are adopted by the most progressive players on the Russian market of electrical equipment.







Equipment for distribution of power

1	Modular equipment		10–79	1
2	Power protection and switching equipment		80–149	2
3	Metering, control & measuring devices, power supply equipment		150–187	3
4	Enclosures, boxes and accessories		188–323	4
5	Cabling systems		324–435	5
6	Electrical installation items, extension cords and power connectors		436–491	6


Equipment for industrial installations

7	Switching and control devices		492–563	7
---	-------------------------------	---	---------	---

Lighting equipment

8	Light sources		564–585	8
9	Lighting products		586–661	9

General

10	Electrical installation devices and tools		662–709	10
----	---	---	---------	----

Electrical machines

11	Motors		710–721	11
----	--------	---	---------	----

Equipment for distribution of power

1	Modular Equipment	10
	Modular circuit breakers	12
	Modular circuit breakers VA47-29	12
	Modular circuit breakers VA47-60	19
	Modular circuit breakers VA47-100	24
	Residual current circuit breakers	29
	Residual current circuit breakers VD1-63	29
	Residual current circuit breakers VD1-63 type A	32
	Residual current circuit breakers VD1-63S (selective)	36
	Residual current circuit breakers AD12, AD12M, AD14	40
	Residual current operated circuit breakers with integral overcurrent protection AVDT32 for currents up to 63 A	46
	Residual current operated circuit breakers with integral overcurrent protection AVDT32M for currents 6 to 63 A	49
	Residual current operated circuit breakers with integral overcurrent protection AVDT34 for currents 6 to 63 A	51
	Supplementary modular devices	55
	PR fuses/disconnectors with indicators and PVTs cylindrical melt inserts	55
	Switch-disconnectors VN-32	58
	Modular contactors KM	62
	Surge protective device OPS1	66
	Supplementary modular series devices	70
	State contact KS47. Emergency state contact KSV47	70
	AE1031 to VA47-29 adapter	71
	Over and undervoltage release RMM47.	
	Low-voltage release RN47	71
	Auxiliary universal contact KDU60. RN60 low-voltage release	72
	Leads lockout device	72
	TE15 digital timer switch	74
	TEM181 analog timer switch	75
	TO-47 lighting time-delay switch	76
	RAr10-3-OP socket with grounding contact	77
	ZD-47 emergency bell	77
	LS-47 light indicator with neon lamp.	
	LS-47M light indicator with LED matrix	78
	Phase indicator light	78
	Modular control button KMU11	79
2	Protection and Switching Power Equipment	80
	Power circuit breakers	82
	Circuit breakers VA88	82
	Circuit breakers VA07	122
	Fuses	127
	PPNI fuses	127
	Switch-disconnectors	134
	VR32I switch-disconnectors	134
	PVR devices	139
	Disconnectors of RE-19 series	143
	Fuse disconnectors of RP series	147
3	Metering, control & measuring devices, power supply equipment	150
	TTI current transformers	152
	TRP current transformers	161
	TOP-0.66 and TShP-0.66 current transformers	165
	Electric energy meters of STAR series	171
	Electric measuring devices (A-meters and V-meters) of E47 series	175
	Power supply equipment	179
	Voltage stabilizers of electromechanical type	179
	Voltage stabilizers of relay type	182
	Voltage stabilizers of triac type	186
4	Cabinets, boxes and accessories	188
	Enclosures and boxes for installation of modular devices	190
	Plastic enclosures and boxes	190
	Modular boxes of KMPn series for circuit breakers, IP20, IP30, IP31	190
	KMPv modular plastic empty enclosures with metal door, IP30	192
	SCHRN(V)-P modular plastic empty enclosures, IP41	195
	SCHRN(V)-P modular plastic empty enclosures of PRIME series, IP41	200
	KMPn modular plastic empty enclosures, IP55	205
	KMPn 5/16 surface-mounted modular plastic empty enclosures with transparent cover, IP55	209
	KMPn modular plastic empty enclosures, IP66	211
	SCHURn-P plastic enclosures for electric meters, IP55	215
	PU panels for electric meters	218
	Polyester vandal-proof enclosures of series SCHU IP54 and SCHMP IP54	221

Modular metal distribution empty enclosures	224
SCHRn(v) electric distribution empty enclosures	224
SCHRV flush-mounted electric distribution empty enclosures of TREND series	228
SCHURn(v) electric metering and distribution empty enclosures	231
SCHU electric lead-in and metering empty enclosures	238
SCHRn distribution and SCHURN metering and distribution modular empty enclosures of LIGHT series	242
SCHRn and SCHRV modular distribution empty enclosures of UNIVERSAL series	247
SCHE floor distribution empty enclosures	254
UERM modular floor distribution empty enclosure	257
Low-voltage electric switchboards	259
OSCHV, UOSCHV lighting panels for industrial and public buildings	259
YATP step-down transformer boxes	261
RUSP switchgear for construction sites	263
Boxes of YARP series with knife switch and fuses	265
Metal enclosures	267
KSRM large-size dismantable metal empty enclosures	267
VRU all-welded enclosures of TITAN series	271
VRU empty enclosures	275
Distribution boards with mounting panel of PRO series	281
Distribution boards with mounting panel of GARANT series	286
SCHMP distribution boards with mounting panel	290
PR empty enclosures	297
SCHO enclosures for distribution boards	302
Distribution cabinet accessories	306
Glands	306
Screw terminal blocks of ZNI series	308
Neutral bus bars	309
Enclosed neutral bus bars	314
RBD distribution terminal blocks for DIN rail	315
Bridging bars	316
Stepped bus insulators	317
SM busbar insulators	318
Busbar insulators	319
12-module plugs	319
Glass for electric panels (plastic)	319
DIN rails and limiters	319
Safety signs	320
Moving direction signs	321
Locks with metal keys	322
5 Cabling systems	324
Cable trunkings and accessories	326
Trunk cable channels of ELECOR and ECOLINE series	326
Cable channels of ELECOR series with "pine" and "oak" textures	330
Floor and plinth cable trunkings	333
Parapet cable channels of PRIMER series	336
Slotted cable trunkings of IMPACT series	342
Plastic pipes	344
Smooth rigid PVC pipes	344
Corrugated PVC pipes	346
Pipe fasteners	348
Fittings for PVC pipes IP40	349
Fittings for PVC pipes IP65	350
Corrugated HDPE pipes	352
Electrical conduit pipes	354
Technical smooth pipes from low-pressure polyethylene	354
Two-wall pipes from low-pressure polyethylene	355
Underground dismantable pipes	356
RZ-CH and RZ-TSP metal hose	358
Electrical steel and aluminum conduit pipes	362
On-floor systems	364
Metal rolled trays and accessories	367
Perforated trays	369
Non-perforated trays	370
Ladder type cable trays	371
Metal tray accessories	373
Wire lattice trays from galvanized steel and accessories	382
Wire lattice trays from stainless steel	383
Suspension systems for metal cable trays	387
Metalware	394
Reference information	399
Mounting boxes	400

Equipment and line fittings for self-bearing insulated wire	406
Cable sleeves for voltages up to 1 kV	419
KV(N)tp-1 kV end sleeve for cables with impregnated paper insulation	419
PKV(N)tp-1 and PKVtp-1 end sleeves for cables with plastic insulation, cross-linked polyethylene insulation	421
PKV(N)tpbe-1 and PKVtpbe-1 end sleeves for cables with plastic insulation, cross-linked polyethylene insulation with armor or shield	424
Stt(tp)-1 kV coupling sleeve for cables with impregnated-paper insulation	429
PStt-1 coupling sleeve for cables with plastic insulation, cross-linked polyethylene insulation	431
PSttbe-1 coupling sleeve for cables with plastic insulation, cross-linked polyethylene insulation with armor or shield	433
6 Electrical installation items, extension cords and power connectors	436
KVARTA series	438
OKTAVA series	442
GERMES PLUS series, IP54	446
FORS series, IP54	449
BRIX series	451
Rubber plug-and-socket connectors, IP44	454
Extension cords with protective covers	456
Portable cords with socket and plug, extension cords on frame	458
Cords with switch and flat plug	459
Household extensions	460
Household extension cords and power strips of CLASSIC series	463
Adapters	465
Power filters	466
Extension cable reels	467
Dismountable plugs and sockets	469
Lamp sockets	471
Power connectors	474
Power connectors of MAGNUM series	474
Power connectors	481

Equipment for industrial installations

7 Switching and control devices	492
Contactors	494
Small-size contactors of KMI series	494
KMI contactors with thermal electrical relay in protective enclosure	499
KMIp DC contactors	502
Electromagnetic contactors of PM12 series	506
Electromagnetic mini contactors of MKI series	510
Electromagnetic contactors of KTI series	513
Relays and auxiliary devices for contactors	521
Thermal electrical relays of RTI series	521
Auxiliary devices for KMI and KTI contactors	526
Motor starters, selector switches	529
Manual push-button motor starters of PRK series and accessories	529
PKP cam-type switches	535
Monitoring and control relays	542
REK auxiliary relays	542
Command and alarm devices	547
Buttons, switches, indicating lights	547
PKT series push-button control desks	562

Lighting equipment

8 Light sources	564
High pressure gas-discharge lamps	566
Linear fluorescent lamps	568
Energy-saving fluorescent lamps	570
LED lamps	578
LED ribbon and accessories	581
9 Lighting products	586
Spotlights	588
LED spotlights of SDO series	588
Metal-halide spotlights, IP65	591
Halogen spotlights, IP54	593
Industrial inductive luminaires, IP54	595
LVO DOWNLIGHT 8" built-in directed light luminaires	597
DVO DOWNLIGHT built-in directed light ultra-slim luminaires	599
Luminaires of NPP series, IP54	601

Luminaires with aluminum alloy body	.601
Built-in luminaires with aluminum alloy body	.606
Luminaires with plastic body	.608
Luminaires of NPO series with motion detector	.610
Luminaires of LPO series with fluorescent lamps	.612
Luminaires with linear fluorescent lamps	.612
Luminaires with compact fluorescent lamps	.616
LED luminaires	.618
Linear LED luminaires of DBO series	.618
LED luminaires of DPO series	.621
Ultra-slim panel luminaires of DVO series	.623
Thick LED panels of DVO series	.624
LED luminaires of DSP series	.628
LED luminaires of DSP series for high bays	.631
Luminaires of LSP series with fluorescent lamps, IP65	.633
Luminaires of DPA series with emergency power supply	.636
Emergency power supply (EPS) for fluorescent lamps	.638
LED luminaires of SSA series for emergency evacuation	.640
Battery luminaires of DBA series	.642
Battery luminaires of LBA series	.644
Portable luminaires	.646
Portable LED luminaires of NEAR LIGHT series	.646
Portable luminaires of LPO (LRO) series with fluorescent lamps	.649
Portable luminaires of UP series with incandescent lamps	.650
Lighting controls	.652
Infrared motion detectors	.652
Microwave motion detectors	.655
Photorelays	.657
Components for luminaires	.659
Electronic ballasts for fluorescent lamps	.659
Starters	.661

General

10 Electrical installation devices and tools	.662
Electrical installation devices	.664
Power terminals, sleeves and clamps	.664
Branching clamps	.667
Terminals, couplers, connectors	.669
Screw terminal blocks of ZVI series	.678
Plastic brackets	.680
Nylon cable clamps	.681
Holed cable clamps for HOK fastening	.683
Clamps with HP pad	.683
HA anchor clamps	.683
HM re-usable clamps	.684
HD dowel clamps	.684
Ties for LED panels	.684
Dowel clamps	.685
Self-adhesive nylon pads	.685
SM mounting helix	.685
Heat-shrink materials	.686
Cable markers	.692
Cable tags	.694
Electrical tape	.694
PPD constant force springs	.695
PML grounding buses	.695
Tools	.696
Presses for power cable terminals	.696
Crimp pliers	.698
Perforators for sheet metal	.698
Hydraulic pumps	.699
Tools for works with electrical buses	.699
Cable cutting tools	.700
Stripping tools	.700
Hand tools	.701
Test screwdrivers	.702
Tools for ties	.703
Bolt cutting pliers	.703
Multimeters and current clamps	.704
11 Electrical machines	.710
Three-phase AC induction motors of DRIVE series	.712
Index of item numbers	.722