



Reliable made affordable.



Global



Reliable



Affordable



About Himel

Himel is a multinational manufacturer and provider of electrical products that successfully combines global expertise with local knowledge. We focus on long-term partnership with customers and offer products that meet real needs and ensure adequate compatibility for common usage.

Our global footprint and technology allows to provide the best combination of affordable and reliable offers for low voltage power distribution, industry automation and home electric in the over 50 countries where we are present.



Himel. Reliable made affordable

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We bring efficient power to every home

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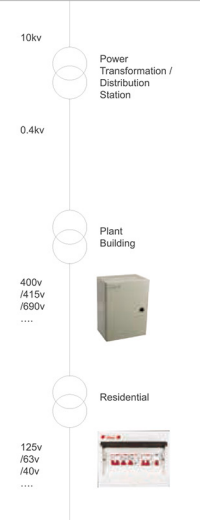
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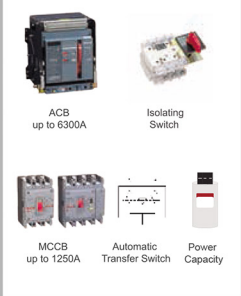
02

Himel Offer Family

We bring efficient power to every home



Low-Voltage Power Distribution



Motor Control & Protection



Industrial Components



Power Management



Final Distribution



Wiring Device



Final Distribution

Widely used for residential, OEM, panel builder, and electrical power systems, final distribution is an important part of power distribution construction. It provides reliable protection for end-user.



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Final Distribution

Offer Portfolio



Miniature Circuit Breaker	Residual Current Device	Control Device	Distribution BOX
HDB3w 3kA/1.5kA/6kA HDB3wH 3kA/4.5kA/6kA HDB66 4.5kA/6kA HDB9 6kA/10kA HDB3wZ DC HDB9Z DC HDB3w-125 6kA/10kA 27mm HDB3wP 3kA/4.5kA Phase-neutral HDB3wHP 3kA/4.5kA Phase-neutral HDB6P 4.5kA Phase-neutral HDB9P 4.5kA/6kA Phase-neutral	<p>RCBO</p> HDB3wLE 6kA Electronic HDB3wHLE 6kA Electronic HDB9LE 6kA Electronic HDB3wLE-125 10kA Electronic HDB3wPLE 3kA/4.5kA Electronic HDB3wHPLE 3kA/4.5kA Electronic HDB6PLE 4.5kA Electronic HDB9PLE 4.5kA/6kA Electronic HDB9LM 6kA Electromagnetic <p>RCCB</p> HDB6v Module HDB6VR Electromagnetic HDB3VR Electromagnetic	<p>Modular Contactor</p> HDC48S AC230V 50/60Hz <p>Time Relay</p> HORT8 Off delay /Power delay	<p>Consumer Box</p> HDP250 Installation: Surface / Flush <p>Metal Enclosure</p> HXF
<p>Switch Disconnector</p> HDG3 20/25/32/40/63 /80/100/125A HDB6IS 20/32/63 /100/125A HDG9 32/63 /100/125A	HDY3 Maximum continuous working voltage 275/340/385/440V	<p>Surge Protective Device</p> HDY3 Maximum continuous working voltage 275/340/385/440V	

MCB panorama



	HDB3w	HDB3wH	HDB6s	HDB9	HDB9Z	HDB3w-125	HDB3wP	HDB3wHP	HDB3wZ	HDB6p	HDB9p
	18mm Miniature Circuit Breaker	18mm Miniature Circuit Breaker	18mm Miniature Circuit Breaker	18mm Miniature Circuit Breaker	18mm DC Miniature Circuit Breaker	27mm Miniature Circuit Breaker	Phase-neutral Circuit Breaker	Phase-neutral Circuit Breaker	18mm DC Miniature Circuit Breaker	Phase-neutral Circuit Breaker	Phase-neutral Circuit Breaker
In (A)	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	1, 2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63	63, 80, 100, 125	6, 10, 16, 20, 25, 32, 40	6, 10, 16, 20, 25, 32, 40	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	6, 10, 16, 20, 25, 32	6, 10, 16, 20, 25, 32, 40
Poles	1P, 1P+N, 2P, 3P, 3P+N, 4P	1P, 1P+N, 2P, 3P, 3P+N, 4P	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	1P, 2P, 4P	1P, 2P, 3P, 4P	1P+N	1P+N	1P, 2P, 3P	1P+N	1P+N
Breaking Capacity	3kA, 4.5kA, 6kA	3kA, 4.5kA, 6kA	4.5kA, 6kA	6kA, 10kA	6kA, 10kA	6kA, 10kA	3kA, 4.5kA	3kA, 4.5kA	6kA	4.5kA	4.5kA, 6kA
Tripping Curve	B, C and D Curves	B, C and D Curves	B, C and D Curves	B, C and D Curves	B and C Curves	C and D Curves	C and D Curves	C and D Curves	B and C Curves	C Curves	C Curves
Standard	IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60947-2	IEC/EN 60898-1	IEC/EN 60898-1
Certificate	CE, CB, TUV	CE, CB, TUV, RoHS	KEMA, CB, CE	KEMA, CB, CE, RoHS	CB, CE, SEMKO, RoHS	TUV, CB, CE	CE, CB, TUV	CE, CB, TUV, RoHS	CE, CB	CB, CE, SEMKO	CB, CE, SEMKO, RoHS

RCBO panorama



	HDB3wLE	HDB3wHLE	HDB9LE	HDB9LM	HDB3wLE-125	HDB3wPLE	HDB3wHPLE	HDB6pLE	HDB9PLE
	18mm RCBO	18mm RCBO	18mm RCBO	18mm RCBO	27mm RCBO	18mm phase-neutral RCBO	18mm phase-neutral RCBO	18mm phase-neutral RCBO	18mm phase-neutral RCBO
In (A)	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	6A, 10A, 16A, 20A, 25A, 32A, 40A	6A, 10A, 16A, 20A, 25A, 32A, 40A	6A, 10A, 16A, 20A, 25A, 32A, 40A	6A, 10A, 16A, 20A, 25A, 32A, 40A
Poles	1P+N, 2P, 3P, 3P+N, 4P	1P+N, 2P, 3P, 3P+N, 4P	1P+N, 2P, 3P, 3P+N, 4P	1P+N, 3P+N	1P+N, 2P, 3P, 3P+N, 4P	1P+N	1P+N	1P+N	1P+N
Sensitivity	30mA, 50mA, 75mA, 100mA, 300mA	30mA, 50mA, 75mA, 100mA, 300mA	30mA, 300mA	30mA, 300mA	30mA, 50mA, 75mA, 100mA, 300mA	30mA	30mA	30mA	10mA, 30mA
Breaking Capacity	6kA	6kA	6kA	6kA	10kA	3kA, 4.5kA	3kA, 4.5kA	4.5kA	4.5kA, 6kA
Tripping Curve	C, D Curves	C, D Curves	C Curves	C Curves	C, D Curves	C, D Curves	C, D Curves	C Curves	C Curves
Standard	IEC/EN61009-1	IEC/EN61009-1	IEC/EN61009-1	IEC/EN61009-1	IEC/EN60947-2	IEC/EN61009-1	IEC/EN61009-1	IEC/EN61009-1	IEC/EN61009-1
Certificate	CE	CE	CE, RoHS	CE, TUV, ROHS	CE, CB	CE, CB, TUV	CE, CB, TUV, ROHS	CE, CB, SEMKO	CE, CB, TUV, RoHS

RCCB panorama



	HDB6VR	HDB3VR	HDB6v
	Electromagnetic Type Residual Current Switch	Electromagnetic Type Residual Current Switch	RCCB module
In (A)	10A, 16A, 25A, 32A, 40A, 63A, 80A, 100A	10A, 16A, 25A, 32A, 40A, 63A, 80A, 100A	
Poles	2P, 4P	2P, 4P	1P+N, 2P, 3P, 3P+N, 4P
Sensitivity	10mA, 30mA, 100mA, 300mA	10mA, 30mA, 100mA, 300mA	30mA, 100mA, 300mA
Standard	IEC/EN 61008-1	IEC/EN 61008-1	IEC/EN 61009-1
Certificate	TUV, CE, CB	TUV, CE, CB	

Disconnecter panorama



	HDB6IS	HDG3	HDG9
	Switch Disconnecter	Switch Disconnecter	Switch Disconnecter
In (A)	20A, 32A, 63A, 100A, 125A	20A, 25A, 32A, 40A, 63A, 80A, 100A, 125A	32A, 63A, 100A, 125A
Poles	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P	1P, 2P, 3P, 4P
Standard	IEC/EN 60947-3	IEC/EN 60947-3	IEC/EN 60947-3
Certificate	CB, CE, SEMKO	CE, CB	CB, CE, TUV, ROHS






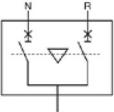


Low-Voltage Power Distribution

A mechanical switching device referred to as an "equipment" and intended to be connected to circuits. The rated voltage of which does not exceed 1000V AC or 1500V DC.



Low-Voltage Power Distribution

Offer Portfolio

<p>Isolating Switch</p>  <p>HDGL 63A – 3150A AC 690V</p>	<p>Molded Case Circuit Breaker</p> <p>Electro-mechanical MCCB</p>  <p>HDM3 63/100/160/250/400/630 /800/1200A AC 400V/415V Icu: 18-85KA Ics: 18-45KA</p>  <p>HDM6 63/100/250/400 /630/800A AC 415V Icu: 18-70KA Ics: 18-40KA</p>	<p>Earth Leakage Circuit Breaker</p>  <p>HDM3L 125/160/250/400/630A AC 400 / 415V Icu: 35-70KA Ics: 21-42KA</p>	<p>Automatic Transfer Switch</p> 
<p>Air Circuit Breaker</p>  <p>HDW9 630 – 6300A AC 400/415V, 690V up to 120KA</p>  <p>HDW6 200 – 6300A AC 400V up to 120KA</p>	<p>Electronical MCCB</p>  <p>HDM3E 125/250/400/630/800/1600A AC 400V Icu: 50KA Ics: 50KA</p>  <p>HDM6E 250/400/800A AC 400V Icu: 50-70KA Ics: 30-40KA</p>		<p>Electrolytic Capacitors</p> 

ACB panorama



	HDW6	HDW9
	Air Circuit Breaker	Air Circuit Breaker
In (A)	200,400,630,800,1000,1250,1600, 2000,2500,3200,4000,5000, 6300A	630,800,1000,1250,1600,2000,2500, 3200,4000, 5000,6300A
Poles	3P, 4P	3P, 4P
Breaking Capacity	42kA,80kA,120kA	50kA,65kA,100kA,120kA
Tripping Curve	Motor protection,Power distribution protection	Motor protection,Power distribution protection
Standard	IEC/EN 60947-2	IEC/EN 60947-2
Certificate	CE,KEMA	CE,KEMA

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MCCB panorama



	HDM3	HDM6s	HDM3E	HDM6E	HDM3L	
	Molded Case Circuit Breaker	Fixed Molded Case Circuit Breaker	Thermal Adjustable Molded Case Circuit Breaker	Electronic Molded Case Circuit Breaker	Electronic Molded Case Circuit Breaker	Earth-leakage Circuit Breaker
In (A)	10,16,20,25,32,40,50,63, 80,100,125, 140,160,180,200,225,250,315,350,400,500,630,700,800,1000, 1250A	10,16,20,25,32,40,50, 63, 80,100,125,160,180,200, 225,250,315,350,400,500 ,630,700,800A	16,25,40,63,100, 125,160,200,250, 400,500,630A	125, 250, 400, 630, 800, 1600A	100, 250, 400, 630, 800A	16,20,25,32,40,50,63, 80,100,125,140,160,1 80,200,225,250,315, 350,400,500,630A
Poles	3P, 4P	3P, 4P	3P, 4P	3P, 4P	3P, 4P	3P, 4P
Breaking Capacity	18kA,21kA,25kA,26kA,30kA,35kA,36k A,39kA,40kA,50kA,60kA,70kA,85kA	18kA,25kA,26kA,30kA,35 kA,40kA,50kA,70kA	30kA,40kA, 50kA,70kA	50kA	50kA,70kA	35kA,50kA,70kA
Tripping Curve	Motor protection, Power distribution protection	Power distribution protection	Power distribution protection	Motor protection, Power distribution protection	Motor protection, Power distribution protection	Motor protection, Power distribution protection
Standard	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2
Certificate	CE, KEMA, TUV,CB	CE, KEMA,CB	CE, KEMA,CB	CE	CE	CB, CE

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Motor Control & Protection

Control and protection devices that cover OEM, system integration, engineering consulting and panel builder, which can provide great solutions for motor control and protection.



Motor Control & Protection

Offer Portfolio

Motor Circuit Breaker	Motor Starter		Control Relays			
 <p>HDP6 (Thermal magnetic Circuit breaker) 0.1-32A 690V 6KA</p>	<p>3 Poles AC Contactor</p>  <p>HDC3 6A – 85A 2.2kW – 45kW</p>	<p>4 Poles AC Contactor</p>  <p>HDC6 9A – 830A 4kW – 335kW</p>	<p>4 Poles AC Contactor</p>  <p>HJK2 4P 9A – 85A 4kW – 45kW</p>	<p>4 Poles AC Contactor</p>  <p>HJX2F 4P 115A – 800A 55kW – 400kW</p>	<p>Control Relay</p>  <p>HDZ3 2NO+2NC,3NO+1NC, 1NO+2NC,4NO+2NC, 2NO+4NC 24V – 440V</p>	 <p>HDZ6 4NO+1NC,3NO+2NC 24V – 440V</p>
<p>Thermal Overload Relays</p>  <p>HDR3s 0.1-0.16A --- 80-83A 10, 10A</p>	<p>Mini AC Contactor</p>  <p>HDC17-K 6A – 9A 1.5kW – 4kW</p>	<p>Switch Capacitor Contactor</p>  <p>HDC19s 12kvar – 60kvar 110V to 415V</p>	<p>Magnetic Starter</p>  <p>HDS6 0.1-0.15A --- 80-83A 2.2kW – 45kW</p>	<p>Miniature Relay</p>  <p>HDZ8P 3 I 5P 10A</p>	<p>Electronic Timer</p>  <p>HJSZ3 120 / 240 / 400V</p>	
				<p>Phase Failure & Sequence Protection</p>  <p>HXJ9 5A Resistive Reaction Time ≤ 2S</p>		

Contactor panorama



	HDC3	HDC6	HJX2 4P	HJX2-F 4P	HDC17K
	AC Contactor	AC Contactor	AC Contactor	AC Contactor	Mini AC Contactor
In (A)	6,9,12,18,25,32,40,50,65,80,95A	9,12,18,25,32,40,50,65,80,95,115,185,225,265,330,400,500,630A	9,12,25,40,50,65,80,95A	115,150,185,225,265,330,400,500,630,800A	6A,9A,12A
Poles	3P	3P	4P	4P	3P
Auxiliary contact	1NO,1NC,1NO1NC	1NO+1NC or NO contact	4NO,2NO+2NC	4NO	1NO,1NC
Coil Voltage	24,36,48,110,127,220/230,240,380/400,415,440	24,36,48,110,127,220,230,240,380,400,415	24,36,48,110,127,220,230,240,380,400,415,440	110,220,230,240,380,400,415,440	24,36,110,127,220/230,240,380/400
Frequency	50Hz, 50/60Hz	50Hz, 50/60Hz	50/60Hz	50/60Hz	50/60Hz
Standard	IEC/EN 60947-4-1	IEC/EN 60947-4-1	EN 60947-4-1	EN 60947-4-1	EN 60947-4-1
Certificate	CE, SEMKO, CB	CE, SEMKO, CB	CE	CE	CE

Relays panorama



	HDR3s	HDR6	HDZ3	HDZ6	HDZ8P
	Thermal Overload Relay	Thermal Overload Relay	Contactory Relay	Contactory Relay	Mini Relay
In (A)	25A, 36A, 93A (frame current)	18A, 32A, 95A, 185A, 630A (frame current)	AC-15 380V:0.95 DC-13 220V:0.15	AC-15 230V:1.6 400V:0.95 DC-13 125V:0.55 220V:0.27	3A,5A,10A
Poles	3P	3P	3P	3P	2P,3P,4P
Contactory combination	-	-	4NO,3NO+1NC,2NO+2NC,1NO+3NC,4NC	3NO+2NC,4NO+1NC	-
Coil Voltage	-	-	24,36,48,110,127,220/230,240,380/400,415,440	24,36,48,110,127,220,380,415,440	6,12,24,36,48,60,110,127,220,230,240,380
Frequency	50/60Hz	50/60Hz	50Hz, 50/60Hz	50Hz, 50/60Hz	DC,AC50/60Hz
Standard	IEC/EN 60947-4-1	IEC/EN 60947-4-1	EN 60947-5-1	IEC/EN 60947-5-1	EN 60947-1/60947-5-1
Certificate	CE, SEMKO, CB	CE, SEMKO, CB	CE	CE, SEMKO, CB	-

Power Management















An integrated series of products that stabilize the voltage from power grid, metering current in the system, detecting and protecting componets in the circuit and providing power supply to the control circuit, etc.



Power Energy Management

Offer Portfolio



Current Transformer	Meter	AC Voltage Stabilizer
 <p>HLMK 30-5000A 0.66kV</p>	<p>Single-phase Electronic Watt-hour Meter</p>  <p>HDDS606 Voltage circuit ≤ 2W per 10VA Current circuit ≤ 4VA</p> <p>Panel Meter</p>  <p>H72 Series Ammeter, Voltmeter, Frequency meter 72 x 72mm</p>	<p>Single-phase Full Automatic</p>  <p>HTND 150-250V(0.5-10kVA) 150-290V(15-30kVA)</p>  <p>HTND3 150-250V(1-10kVA) 150-290V(15-30kVA)</p>  <p>HSVC High-precision 110-250V or 150-250V</p>
<p>Digital Time Switch</p>  <p>HKG316T 10-ON-10-OFF (Single output) 8-ON-8-OFF (Double output)</p>  <p>HKG316TD 16-ON-16-OFF</p>  <p>HKG816 16-ON-16-OFF (Non-Transparent cover) 8-ON-8-OFF (Transparent cover)</p>	<p>Three-phase Electronic Watt-hour Meter</p>  <p>HDT5607 Four-wire Voltage circuit ≤ 2W per 10VA Current circuit ≤ 4VA</p>  <p>HDSS607 Three-wire</p> <p>Panel Meter</p>  <p>H86 Series Ammeter, Voltmeter, Frequency meter 96 x 96mm</p>	<p>Three-phase Full Automatic</p>  <p>HSJW 260-430V(1.5-30kVA) 304-456V(45-60kVA)</p> <p>Three-phase Compensation</p>  <p>HSJW 304V-456V</p>

AC Stabilizer Portfolio



	HTND	HTND2	HTND3	HSVC-B	HAVRL	HSJW	HSBW
Description	Single phase fully automatic AC voltage stabilizer				Three phase fully automatic AC voltage stabilizer		
Capacity	0.5,1,1.5,2,3,5,7,10,15,20,30kVA	1,1.5,2,3,5,7,10,15,20,30kVA	1,1.5,2,3,5,7,10,15,20,30kVA	3,5,7,10kVA	0.5,1,1.5,2,3,5,7,10kVA	1.5,3,4,5,6,9,15,20,30,45,60kVA	10,15,30,50,100,150,200,250,300,400,500,600,800,1000,1600,2000kVA
Type	Servo motor	Servo motor	Servo motor	Servo motor	Relay type	Servo motor	Servo motor
Standard	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1	EN 61000-6-2, 61000-6-4, 61558-1
Certificate	CE	CE	CE	-	-	CE	CE
Overvoltage	✓	✓	✓	✓	✓	✓	✓
Temperature rise	※	※	✓	✓	✓	※	※
Overload	※	✓	✓	✓	✓	※	※
Under-voltage	※	※	※	※	※	※	✓
Short circuit	✓	✓	✓	✓	✓	✓	✓
Time delay	※	※	※	※	※	※	※

✓ standard function ※ optional function

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Industrial Components

Various series of components that are used in the industrial control system for protections and status display.



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Industrial Components

Offer Portfolio



Pushbutton, Switches & Pilot Lights		Fuse	Industrial Plugs & Sockets
<p>Pushbutton & Switches</p> <p>HLAY5 AC-15: 380V/2A; 220V/3.3A DC-13: 220V/0.5A; 110V/1.1A</p> <p>HLAY7 AC-15: 660V/1.1A; 380V/2.0A; 220V/3.3A DC-13: 440V/0.25A; 220V/0.5A; 110V/1.1A</p> <p>HLAY8 AC-15: 660V/1.1A; 380V/2.0A; 220V/3.3A DC-13: 440V/0.25A; 220V/0.5A; 110V/1.1A</p> <p>HLD11 AC/DC: 612/24/36/48/110/220V AC: 220 / 230 / 380V</p>	<p>HRT16 2-630A 500/690V 120kA(500); 50kA(690)</p> <p>HRT16 Base HRT16-00;-1;-2;-3 Resin</p> <p>HRT18 2-63A 380V 100kA</p> <p>HRT18 Holder HRT18-32X; 32; 63X; 63 Resin / Nylon</p> <p>HRT16 Installation tool</p>	<p>HDFM Moving Plugs 110-415V</p> <p>HDFP Fixed Plugs 110-415V</p> <p>HDFSM Moving Sockets 110-415V</p> <p>HDFSF Fixed Sockets 110-415V</p> <p>HDFPS Multi-function Plugs & Sockets 110V; 230V</p>	
		<p>Accessories</p> <p>Copper Terminal Block</p> <p>HDB010</p> <p>HDB019</p> <p>HDB007</p> <p>HDB043</p> <p>HDB112</p> <p>Din Rail</p> <p>HDIN</p> <p>Cable Connector</p> <p>HCF</p>	

Pushbutton panorama



	HLD11	HLAY5	HLAY7	HLAY8
	Indicator	Pushbutton	Pushbutton	Pushbutton
Type	Resistance, Capacitance	Self-return flush button, Rotary button, Key button, Mushroom button, Rotary reset emergency stop button, Two-head button, Self-return flush button with lamp, Pilot light	Self-locking high button, Self-locking flush button, High button, Full projection button, Rotary button, Key-operated button, Mushroom button, Self-locking mushroom button with lamp, Rotary button with lamp, Mushroom button with lamp	Rotary button, Key-operated button, Mushroom button, Self-locking mushroom button with lamp, Rotary button with lamp, Mushroom button with lamp
In	≤ 50mA	2~3.3A(AC-15), 0.5~1.1A(DC-13)	1.1~3.3A(AC-15), 0.25~1.1A(DC-13)	1.5~4.5A(AC-15), 0.25~0.8A(DC-13)
Current Type	AC, DC	AC	AC	AC
Voltage	6,12,24,36,48,110,127,220,230,380V	6,24,110,220, 380V	6, 24, 110, 220, 380V	6, 24,110, 220, 380V
Standard	IEC 60947-5-1	IEC 60947-5-1	IEC 60947-5-1	IEC 60947-5-1

Industrial Plugs & Sockets panorama



	HDMP	HDP	HDSM	HDSF	HDPS
	Moving Industrial Plugs	Fixed Industrial Plugs	Moving Industrial Sockets	Fixed Industrial Sockets	Multi-function Plugs & Sockets
Type	Moving Plugs	Fixed Plugs	Moving Sockets	Fixed Sockets	Plugs & Sockets
In (A)	16, 32, 63, 125	16, 32, 63, 125	16, 32, 63, 125	16, 32, 63, 125	16
Pole	2P+E-3P+N+E	2P+E-3P+N+E	2P+E-3P+N+E	2P+E-3P+N+E	2P+E
Voltage (V)	110-415	110-415	110-415	110-415	110, 230
Standard	IEC 60309-1-2	IEC 60309-1-2	IEC 60309-1-2	IEC 60309-1-2	IEC 60309-1-2

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Copper Terminal Block



	HCF	HTB
	Cable Connector	Copper Terminal Block
Type	/	HTB010, HTB019, HTB007, HTB043, HTB112
In (A)	/	100-200A
Certificate	EN60947-1	EN61439-6

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Fuse



	HRT16	HRT18
	Fuse	Fuse
Type	Knife-Contact Fuse: 00C, 00, 1, 2, 3	Cylinder Fuse
In (A)	2-630A	2-63A
Breaking Capacity	120kA (500V), 50kA (690V)	100kA
Voltage (V)	500, 690	380
Certificate	IEC 60269	IEC 60269

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Wiring Devices

- Prime Series
(British Standard)
- Advanced Series
(British Standard)
- Style Series
(European Standard)
- Modern Series
(European Standard)



Wiring Device




Offer Portfolio



British Standard		European Standard	
<p>Prime Series</p> <p>Flush Switches</p> <p>Double Pole Switches</p> <p>Dimmer & Fan Control Switches</p> <p>Socket Outlets</p> <p>Telecommunication Accessories</p> <p>Hotel</p> <p>Flush Plates</p>	<p>Advanced Series</p> <p>Flush Switches</p> <p>Double Pole Switches</p> <p>Dimmer & Fan Control Switches</p> <p>Socket Outlets</p> <p>Telecommunication Accessories</p> <p>Flush Plates</p>	<p>Style Series</p> <p>Flush Switches</p> <p>Dimmer & Fan Control Switches</p> <p>Socket Outlets</p> <p>Telecommunication Accessories</p> <p>Frames</p>	<p>Modern Series</p> <p>Flush Switches</p> <p>Dimmer & Fan Control Switches</p> <p>Socket Outlets</p> <p>Telecommunication Accessories</p> <p>Hotel</p> <p>Frames</p>

Himel Variable Speed Drives



BASIC	SMART	EXPERT
<p>Small & simple general purpose applications</p> 	<p>Pumping and fan applications</p> 	<p>Machines & advanced general purpose applications</p> 
<p>Compact 0.4...1.5kW 220V single phase</p> <p>Standard 0.75...2.2kW 220V single phase; 380V-415V three phase</p> <p>Universal 0.75...7.5kW 220V single phase; 380V-415V three phase</p>	<p>Universal 11...850kW 220V single phase; 380V-415V three phase</p>	<p>Compact 0.4 ...4kW</p> <p>Standard 0.75...280kW</p> <p>220V single phase; 380V-440V three phase</p>

VSD Offer Portfolio



	BASIC series			SMART series	EXPERT series	
	Compact	Standard	Universal	Universal	Compact	Standard
Supply Voltage	220V Single Phase	220V Single Phase; 380V-415V Three Phase	220V Single Phase; 380V-415V Three Phase	220V Single Phase; 220V Three Phase; 380V-415V Three Phase	220V Single Phase; 380V-440V Three Phase	220V Single Phase; 380V-440V Three Phase
Power Range	0.4 ... 1.5kW	0.75 ... 2.2kW	0.75 ... 7.5kW	11 ... 850kW	0.4 ... 4kW	0.75 ... 315kW
Motor Type	Asynchronous Motor			Asynchronous Motor		
Motor Control	Open Loop			Open Loop		
IP	IP20			IP20		
Temperature	-10°C ~ +40°C			-10°C ~ +40°C		
Add-On	-	-	-	-	-	I/O Extension Module, Communication Module
Communication Interface	I/O; Modbus Serial Link	I/O; Modbus Serial Link	I/O; Modbus Serial Link	I/O; Modbus Serial Link	I/O; Modbus Serial Link	I/O; Modbus Serial, CANopen, & Ethernet/IP, Profibus DP, Profinet, DeviceNet, EtherCAT, DeviceNet
Target Applications	Small and simple general purpose applications		Pumping and fan applications	Pumping and fan applications	Machines; Advanced general purpose applications	

Where you need an efficient motor,
there you need a drive...



- SMART Series: Pump & Fan
- BASIC Series: Small machine & simple application
- EXPERT Series: Complicated machine & advanced application

0.4kW – 850kW
220V | 380V / 400V / 415V / 440V



FAN

- Industrial fans
- Centrifugal fans
- ...



PUMP

- Water pump
- Mud pump
- Oil pump
- ...



MACHINE

- Packaging machine
- Paper machine
- Compressor machine
- Conveying machine
- Extrude machine
- ...



BASIC Series

Small machines:

- Bread machine
- Bag machine
- Carving machine

Simple applications:

- Small Conveyor
- Small fan
- ...

SMART Series

Pumps:

- Water pump
- Paper mill and pulp pump
- Sewage pump
- Fire patrol pump
- Rod pump

Fans:

- Industrial fan
- Air blower
- Ventilation

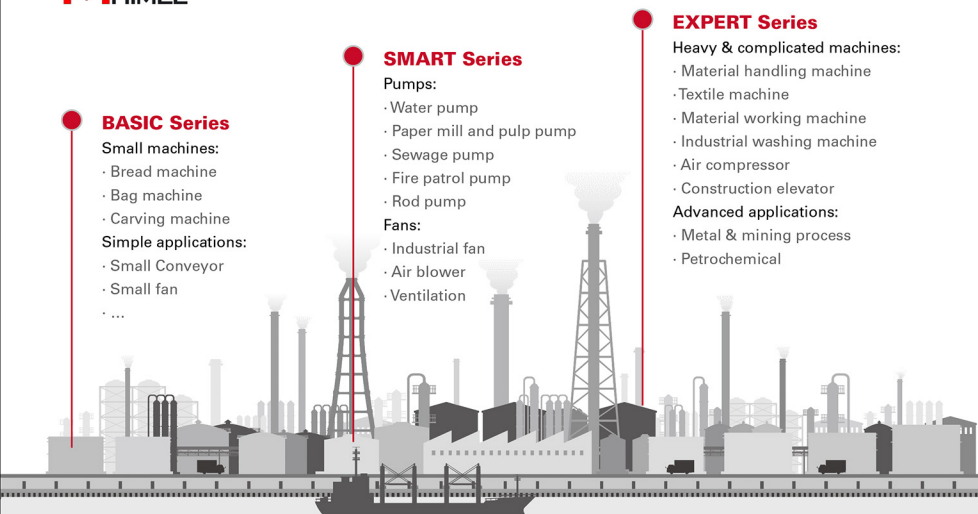
EXPERT Series

Heavy & complicated machines:

- Material handling machine
- Textile machine
- Material working machine
- Industrial washing machine
- Air compressor
- Construction elevator

Advanced applications:

- Metal & mining process
- Petrochemical





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