



Panel Builder Catalogue

Target Applications



**Power Distribution
Panel**



**Capacitance Compensation
Cabinet**



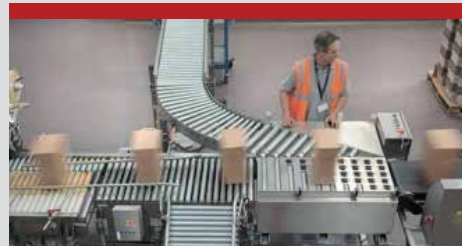
**Power Meter
Panel**



**Lighting
Panel**



**Control
Panel**



OEM

Power Distribution Panel



HP606
Panel Meter



HDW3
Air Circuit Breaker
4000A/6300A



HDW3
Air Circuit Breaker
1600A / 2000A/ 2500A / 3200A



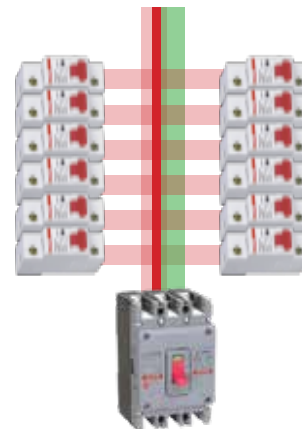
HDM3/HDM3L/HDM3E
MCCB



HDB3w/HDB3wH/HDB9
MCB



HDCH8S
Modular
Contactor



HDM3/HDM3L/HDM3E
MCCB

Capacitance Compensation Cabinet



Power Supply



HLMK
Current Transformer



HDGL
Isolating Switch
3P



HP606
Panel Meter



HDB3w
MCB



HDC19s
Capacitor Contactor
3P



HDR3s
Thermal Relay



HSCAP3
Electrolytic Capacitors

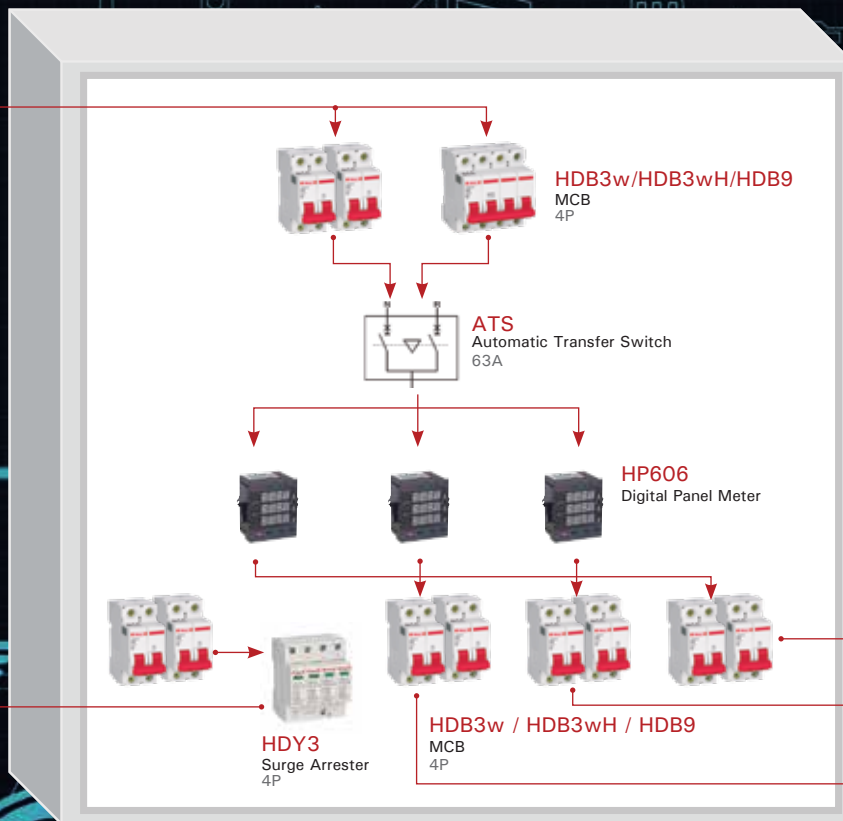


HLAY5
Pushbutton

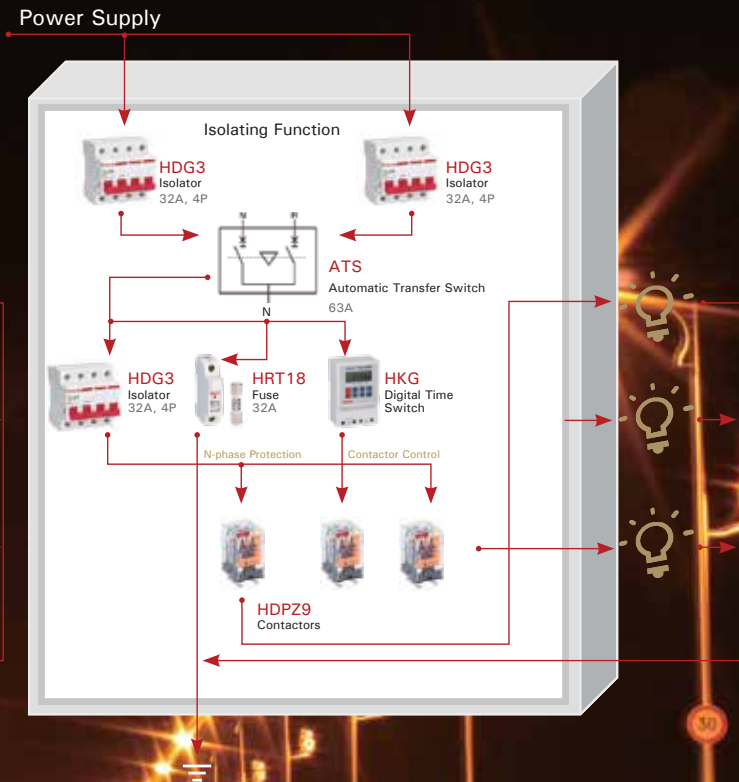
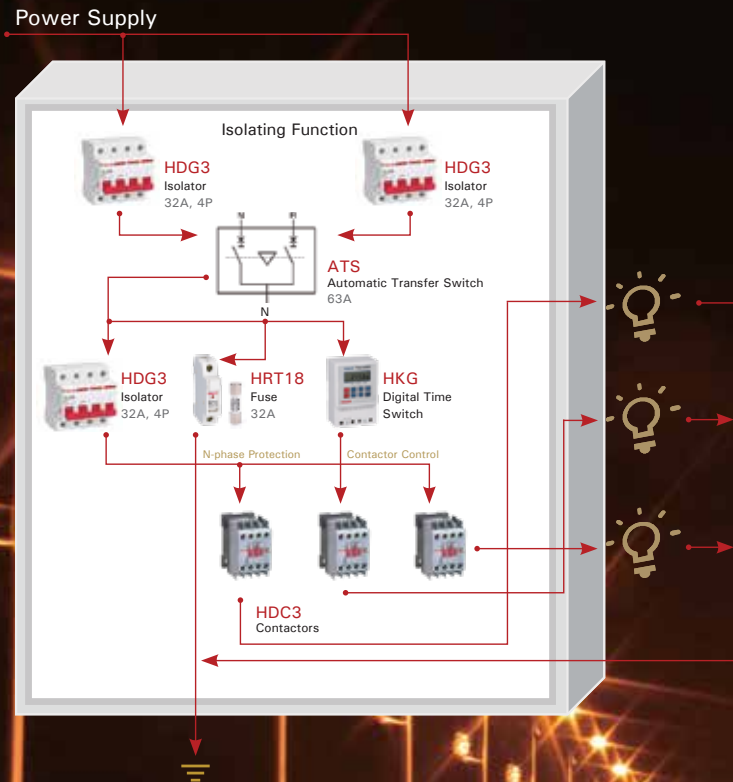
Power Meter Panel



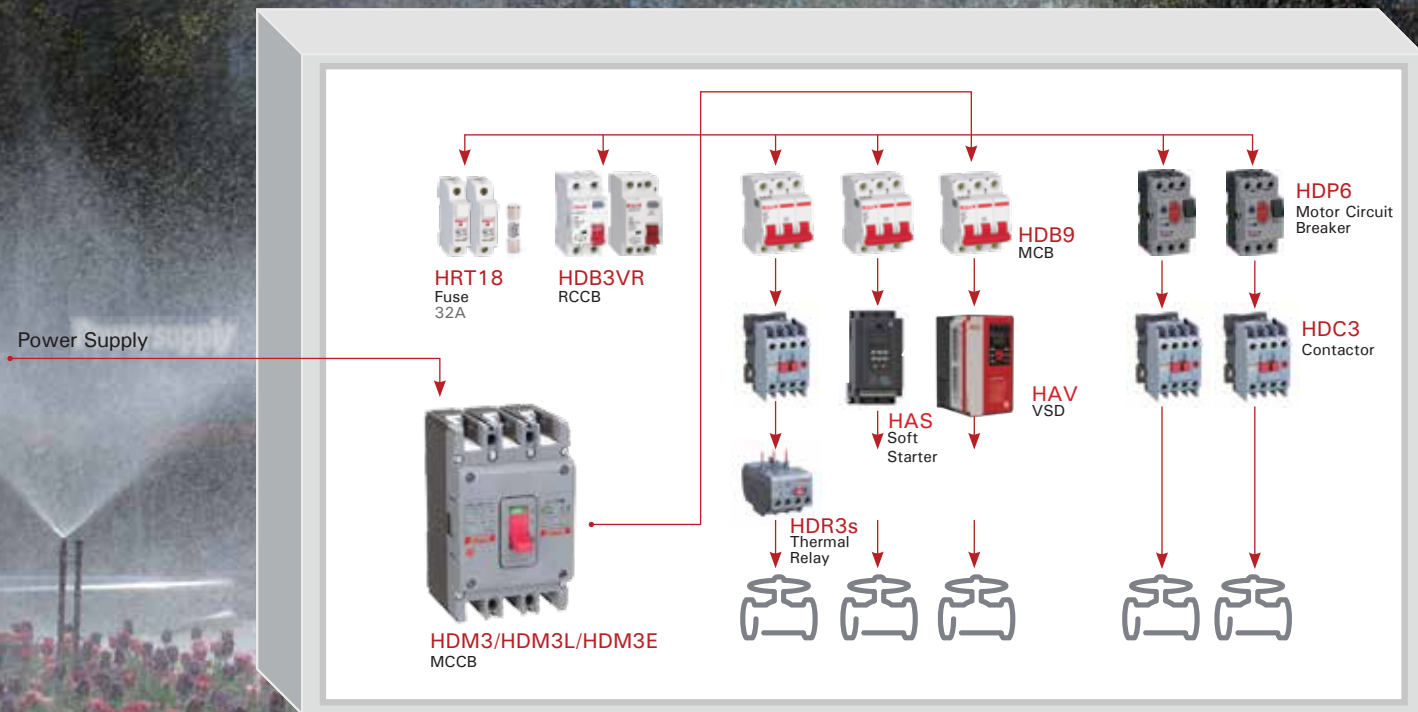
Power Supply

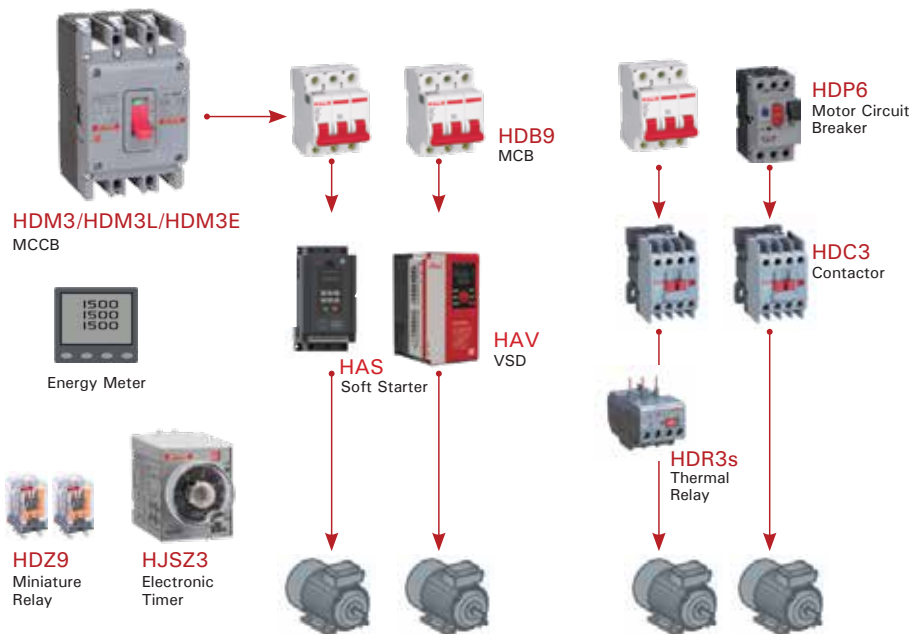


Lighting Panel

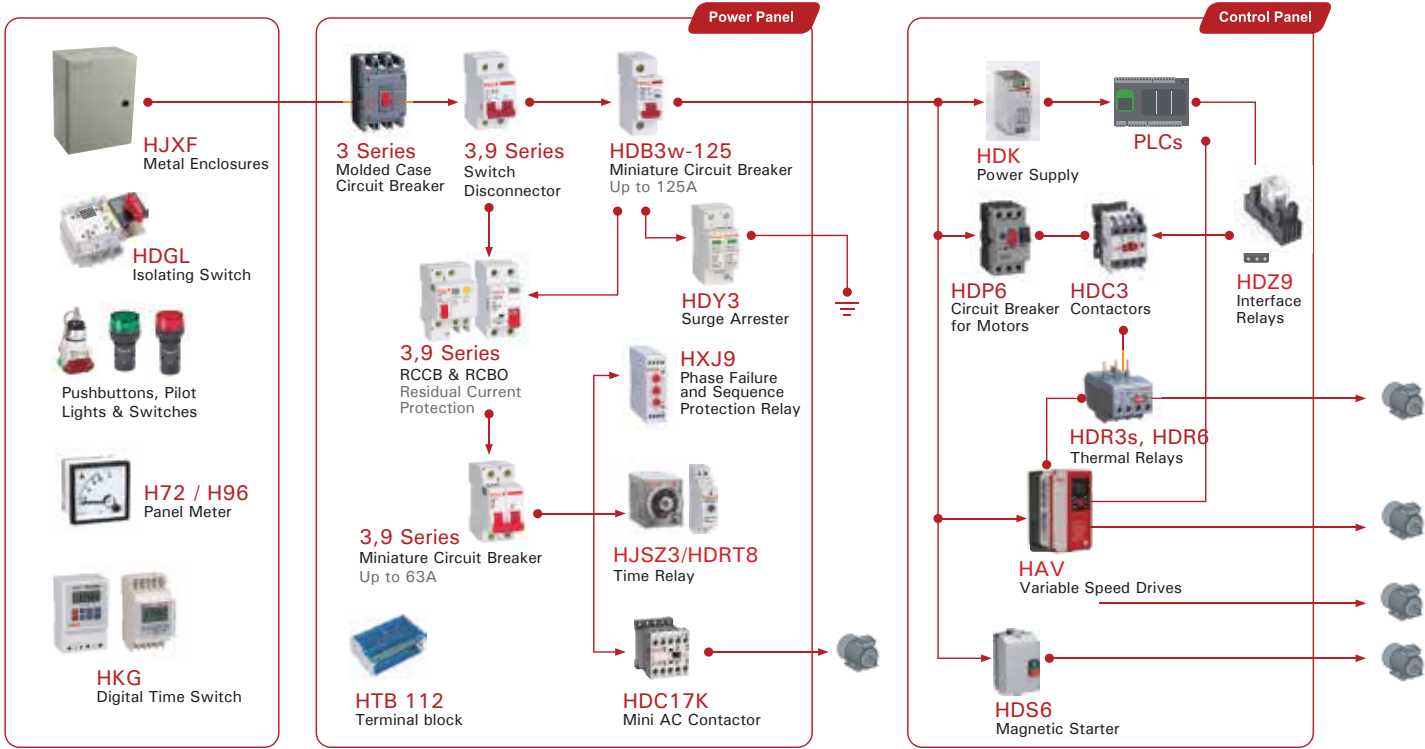


Control Panel





Panel Builder Architecture



ACB Panorama

HDW3



Technical Parameters

Common features

Pole	3,4	Rated frequency (Hz)	50/60
Rated operational voltage AC Ue(V)	400/415, 660/690V	For isolation	
Rated insulation voltage Ui(V)	1000	Circuit breaker characters conform to IEC 60947-2	
Rated impulse withstand voltage Uimp(kV)	12	Certification	CE KEMA



Product		HDW3																			
Frame current		1600M		1600S		2000M		2000S		3200M		3200S		4000M		4000S		6300M		6300S	
Rated current In(A)																					
400																					
630																					
800																					
1000																					
1250																					
1600																					
2000																					
2500																					
3200																					
4000																					
5000																					
6300																					
Breaking		400V		690V		400V		690V		400V		690V		400V		690V		400V		690V	
Icu (kA)		50	35	42	35	80	50	65	40	80	65	65	50	100	65	85	65	120	85	85	75
Ics (kA)		42	35	42	35	65	40	65	40	65	50	65	50	85	65	85	65	100	75	85	75
Icw(1s)(kA)		42	35	42	35	65	40	65	40	65	50	65	50	85	65	85	65	85	75	85	75

MCCB Panorama



	HDM3	HDM3L	HDM3E
	Molded Case Circuit Breaker	Earth-leakage Circuit Breaker	Electronic Molded Case 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, 800,1000,1600A	16,20,25,32,40,50,63, 80,100,125, 140,160,180, 200, 225, 250, 315, 350, 400, 500, 630A	125, 250, 400, 630, 800, 1600A
Poles	3P, 4P	3P, 4P	3P, 4P
Breaking Capacity	18kA,21kA,25kA,26kA,30kA,35kA, 36kA,39kA,40kA,50kA,60kA,70kA,85kA	35kA , 50kA, 70kA	50kA
Tripping Curve	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
Certificate	CE, KEMA, TUV, CB	CB, CE	CE, TUV, CB

Contactor Panorama



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

Relays Panorama



	HDR3s	HDZ3	HDZ9
	Thermal Overload Relay	Contactor Relay	Mini Relay
In (A)	25A, 36A, 93A (frame current)	AC-15 380V:0.95 DC-13 220V:0.15	3A, 5A, 10A
Poles	3P	3P	2P, 3P, 4P
Contactor combination	-	4NO,3NO + 1NC,2NO + 2NC, 1NO + 3NC,4NC	-
Coil Voltage	-	24,36,48,110,127,220/230, 240, 380/400,415,440	6,12,24,36,48,60,110,127, 220,230,240,380
Frequency	50/60Hz	50Hz, 50/60Hz	DC,AC50/60Hz
Standard	IEC/EN 60947-4-1	EN 60947-5-1	EN 60947-1/60947-5-1
Certificate	CE, SEMKO, CB	CE	-



	HDB3w	HDB3wH	HDB9	HDB9Z	HDB3w-125	HDB3wP	HDB3wHP	HDB3wZ	HDB9p
	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
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, 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, 40
Poles	1P, 1P+N, 2P, 3P, 3P+N, 4P	1P, 1P+N, 2P, 3P, 3P+N, 4P	1P, 2P, 3P, 4P	1P, 2P, 4P	1P, 2P, 3P, 4P	1P+N	1P+N	1P, 2P, 3P	1P+N
Breaking Capacity	3kA, 4.5kA, 6kA	3kA, 4.5kA, 6kA	6kA, 10kA	6kA, 10kA	6kA, 10kA	3kA, 4.5kA	3kA, 4.5kA	6kA	4.5kA, 6kA
Tripping Curve	B, C and D Curves	B, C and D Curves	B, C and D Curves	B and C Curves	B, C and D Curves	C and D Curves	C and D Curves	B and C Curves	C Curves
Standard	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
Certificate	CE, CB, TUV	CE, CB, TUV, RoHS	KEMA, CB, CE, RoHS	CB, CE, SEMKO, RoHS	TUV, CB, CE	CE, CB, TUV	CE, CB, TUV, RoHS	CE, CB	CB, CE, SEMKO, RoHS

RCBO Panorama



	HDB3wLE	HDB3wHLE	HDB9LE	HDB9LM	HDB3wLE-125	HDB3wPLE	HDB3wHPLE	HDB9PLE
	18mm RCBO	18mm RCBO	18mm RCBO	18mm RCBO	27mm 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	63A, 80A, 100A, 125A	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
Sensitivity	30mA, 50mA, 75mA, 100mA, 300mA	30mA, 50mA, 75mA, 100mA, 300mA	30mA, 300mA	30mA, 300mA	30mA, 50mA, 75mA, 100mA, 300mA	30mA	30mA	10mA, 30mA
Breaking Capacity	6kA	6kA	6kA	6kA	10kA	3kA, 4.5kA	3kA, 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
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
Certificate	CE	CE	CE, RoHS	CE, TUV, ROHS	CE, CB	CE, CB, TUV	CE, CB, TUV, RoHS	CE, CB, TUV, RoHS

RCCB Panorama



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

Disconnecter Panorama



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

Pushbutton Panorama



	HLD11	HLAY5	HLAY7
	Indicator	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 protection button, Rotary button, Key-operated button, Mushroom button, Self-locking mushroom button, Self-locking mushroom button with lamp, Rotary button with lamp, Mushroom button with lamp
In	$\leq 50\text{mA}$	2 ~ 3.3A(AC-15), 0.5 ~ 1.1A(DC-13)	1.1 ~ 3.3A(AC-15), 0.25 ~ 1.1A(DC-13)
Current Type	AC, DC	AC	AC
Voltage	6, 12, 24, 36, 48, 110, 127, 220, 230, 380V	6, 24, 110, 220, 380V	6, 24, 110, 220, 380V
Standard	IEC 60947-5-1	IEC 60947-5-1	IEC 60947-5-1

Motor Control & Protection

Offer Portfolio



Motor Circuit Breaker	Motor Starter			Control Relays
 HDP6/HDP17Z (Thermal magnetic Circuit breaker) 0.1-80A 690V	3 Poles AC Contactor  HDC3 6A – 630A 2.2kW – 335kW  HJX24P 9A – 95A 4kW – 45kW  HJX2F4P 115A – 800A 55kW – 400kW			 HDZ3 2NO + 2NC, 3NO + 1NC, 1N O + 3NC, 4NO + 0NC, 0NO + 4NC 24V – 440V
Thermal Overload Relays	Mini AC Contactor  HDC17-K 6A – 9A 1.5kW – 4kW Switch Capacitor Contactor  HDC19s 12kvar – 60kvar 110V to 415V Magnetic Starter  HDS3 0.1-0.15A... 80-93A 2.2kW – 45kW			

VSD	EXPERT Standard (XS)	BASIC (BA)	SMART Pump (SP)	SOLAR (SO)
	Machines & Advanced general-purpose applications  1P 200-240V 0.7...2.2kW 3P 200-240V 0.7...160kW 3P 380-440V 0.7...850kW	Small & Simple general-purpose applications  1P 200-240V 0.4...2.2kW 3P 200-240V 0.7...3kW 3P 380-440V 0.4...5.5kW	Pump & Fan applications  3P 200 - 240V 2.2...45kW 3P 380 - 440V 2.2...160kW	Solar Pump Applications  1P 200-240V_{AC} / 250-780V_{DC} 0.4...4kW 3P 380-440V_{AC} / 250-780V_{DC} 0.7...160kW
Soft Starter	BASIC (HASBS)	EXPERT (HASXS)		
	General application Heavy-duty  3P 380-440V 11...600kW	General application Heavy-duty Integrated Bypass contactor  3P 380-440V 11...600W		

Industrial Components

Offer Portfolio



Pushbutton, Switches & Pilot Lights

Pushbutton & Switches



HLAY5

AC-15: 380V/2A; 220/3.3A
DC-13: 220V/0.5A; 110V/1.1A



HLAY7

AC-15: 660V/1.1A; 380V/2.0A; 220V/3.3A
DC-13: 440V/0.25A; 220V/0.5A; 110V/1A



HLD11

AC/DC: 6/12/24/36/48/110/220V
AC: 220 / 230 / 380V

Pilot Lights

Axial Fan



HICF

0.09-0.08A
220V 15/12W

Fuse



HRT16

2-630A, 500/690V
120kA(500); 50kA(690)



HRT16 Base

HRT16-00;-1;-2;-3
Resin



HRT18

2-63A
380V, 100kA



HRT18 Holder

HRT18-32X;
32; 63X; 63
Resin / Nylon



HRT16

Installation
tool

Limit Switch



HXCKM

5mm-0.5m/s
10-55Hz, 1.5mm



HXCKP

5mm-0.5m/s
10-55Hz, 1.5mm



HXCKD

5mm-0.5m/s
10-55Hz, 1.5mm



HXCMP

5mm-0.5m/s
10-55Hz, 1.5mm

Industrial Plugs & Sockets



HIPS

Moving industry
Plug
220-415V



HIPS

Concealed fixed
industry plug
220-415V



HIPS

Moving industry
socket
220-415V



HIPS

Concealed fixed
industry plug socket
220-415V

Accessories

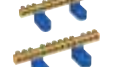
Copper Terminal Block



HDB010



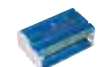
HDB019



HDB007



HDB043



HDB112

Din Rail



HDIN

Cable Connector



HCF

