



HAMEED AUTOMATION

ELECTRICAL CONTROLS & AUTOMATION DEVICES

Schneider
Electric



ACB's



MCCB's



Energy Analyzers

HIOKI



Digital Multimeter
DT4261



Insulation Tester
IR4053



Clamp Meters
CM4373-50

Weidmüller



SPD's



PLC Relays



Terminal Block

HA
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2023-24

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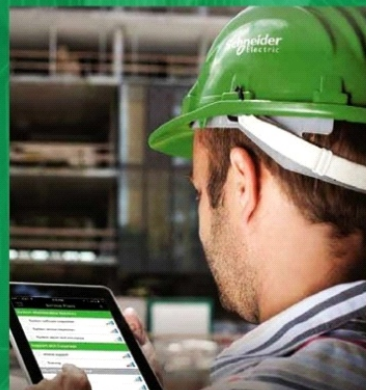
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Weidmüller 

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HIOKI

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Function:-

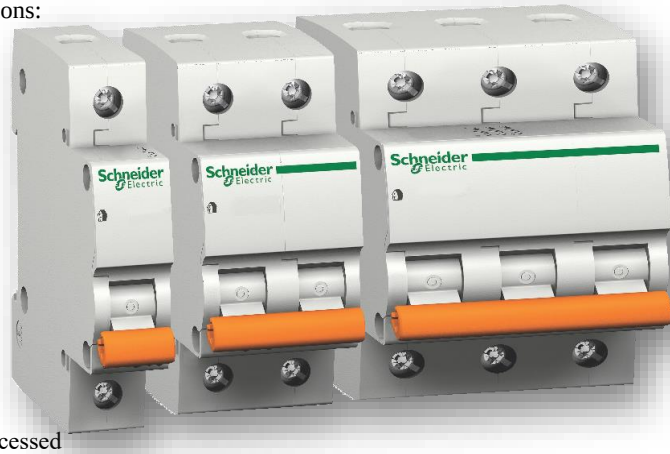
Domae circuit breakers combine the following functions:

- Short circuit protection
- Overload protection

Domae circuit breakers are designed for all housing and residential applications

Description:-

- C curve: suitable for household applications
- Breaking capacity: 6 kA as per IEC60898
- Operational voltage: 230/400 VAC
- Limitation class: 3
- 2-position handle: On/Off with I/O indicator
- Clamping screw: screw head 5mm blade or PZ2 recessed



C Curve, IEC 60898 : 6KA

Poles	Part No.	Description	List Price
Single Pole	17044	Domae MCB SP 6 Amp Icu 6kA, C-Curve	1,250
	17045	Domae MCB SP 10 Amp Icu 6kA, C-Curve	1,250
	17046	Domae MCB SP 16 Amp Icu 6kA, C-Curve	1,150
	17047	Domae MCB SP 20 Amp Icu 6kA, C-Curve	1,150
	17048	Domae MCB SP 25 Amp Icu 6kA, C-Curve	1,150
	17049	Domae MCB SP 32 Amp Icu 6kA, C-Curve	1,150
	17050	Domae MCB SP 40 Amp Icu 6kA, C-Curve	1,250
Double Pole	17058	Domae MCB DP 6 Amp Icu 6kA, C-Curve	5,000
	17059	Domae MCB DP 10 Amp Icu 6kA, C-Curve	5,000
	17060	Domae MCB DP 16 Amp Icu 6kA, C-Curve	4,200
	17061	Domae MCB DP 20 Amp Icu 6kA, C-Curve	4,200
	17062	Domae MCB DP 25 Amp Icu 6kA, C-Curve	4,200
	17063	Domae MCB DP 32 Amp Icu 6kA, C-Curve	4,500
	17064	Domae MCB DP 40 Amp Icu 6kA, C-Curve	4,500
Triple Pole	17078	Domae MCB TP 6 Amp Icu 6kA, C-Curve	8,000
	17079	Domae MCB TP 10 Amp Icu 6kA, C-Curve	8,000
	17080	Domae MCB TP 16 Amp Icu 6kA, C-Curve	6,500
	17081	Domae MCB TP 20 Amp Icu 6kA, C-Curve	6,500
	17082	Domae MCB TP 25 Amp Icu 6kA, C-Curve	6,500
	17083	Domae MCB TP 32 Amp Icu 6kA, C-Curve	6,700
	17084	Domae MCB TP 40 Amp Icu 6kA, C-Curve	6,700

Function:-

EZ9 circuit breakers are Part of Easy Series

- Short circuit protection
- Overload protection

EZ9 circuit breakers are designed for all housing and residential applications

Description:-

- C curve: suitable for household applications
- Breaking capacity: 6 kA as per IEC60898
- Operational voltage: 230/400 VAC
- Limitation class: 3
- 2-position handle
- Clamping screw: screw head 5mm blade or PZ2 recessed

Easy9 miniature circuit breakers offer a user-friendly design for ultimate ease-of-use.

C Curve, IEC 60898 : 6KA



Poles	Part No.	Description	List Price
Single Pole	EZ9F46106	EZ9 MCB SP 6 Amp Icu 6kA, C-Curve	1,150
	EZ9F46110	EZ9 MCB SP 10 Amp Icu 6kA, C-Curve	1,150
	EZ9F46116	EZ9 MCB SP 16 Amp Icu 6kA, C-Curve	1,000
	EZ9F46120	EZ9 MCB SP 20 Amp Icu 6kA, C-Curve	1,000
	EZ9F46125	EZ9 MCB SP 25 Amp Icu 6kA, C-Curve	1,000
	EZ9F46132	EZ9 MCB SP 32 Amp Icu 6kA, C-Curve	1,000
	EZ9F46140	EZ9 MCB SP 40 Amp Icu 6kA, C-Curve	1,150
Double Pole	EZ9F46206	EZ9 MCB DP 6 Amp Icu 6kA, C-Curve	4,250
	EZ9F46210	EZ9 MCB DP 10 Amp Icu 6kA, C-Curve	4,250
	EZ9F46216	EZ9 MCB DP 16 Amp Icu 6kA, C-Curve	3,500
	EZ9F46220	EZ9 MCB DP 20 Amp Icu 6kA, C-Curve	3,500
	EZ9F46225	EZ9 MCB DP 25 Amp Icu 6kA, C-Curve	3,500
	EZ9F46232	EZ9 MCB DP 32 Amp Icu 6kA, C-Curve	3,500
	EZ9F46240	EZ9 MCB DP 40 Amp Icu 6kA, C-Curve	3,700
Triple Pole	EZ9F46306	EZ9 MCB TP 6 Amp Icu 6kA, C-Curve	7,000
	EZ9F46310	EZ9 MCB TP 10 Amp Icu 6kA, C-Curve	7,000
	EZ9F46316	EZ9 MCB TP 16 Amp Icu 6kA, C-Curve	5,600
	EZ9F46320	EZ9 MCB TP 20 Amp Icu 6kA, C-Curve	5,600
	EZ9F46325	EZ9 MCB TP 25 Amp Icu 6kA, C-Curve	5,600
	EZ9F46332	EZ9 MCB TP 32 Amp Icu 6kA, C-Curve	5,600
	EZ9F46340	EZ9 MCB TP 40 Amp Icu 6kA, C-Curve	5,900

CEI/EN 60947-2

BS/EN 60898-1

- Disbo iC60N circuit breakers are multi-standard circuit breakers
 - Circuit protection against short-circuit currents,
 - Circuit protection against overload currents,
 - Suitable for industrial isolation according to IEC/EN 60947-2
 - Fault tripping ind by a red mechanical indicator in CB front face
- C Curve, IEC 60898 : 6KA, IEC60947-2 : 10KA**



Poles	Part No.	Description	List Price
Single Pole	A9F44101	iC60N MCB SP 1 Amp Icu 10kA, C-Curve	4,500
	A9F44102	iC60N MCB SP 2 Amp Icu 10kA, C-Curve	4,500
	A9F44104	iC60N MCB SP 4 Amp Icu 10kA, C-Curve	4,500
	A9F44106	iC60N MCB SP 6 Amp Icu 10kA, C-Curve	2,300
	A9F44110	iC60N MCB SP 10 Amp Icu 10kA, C-Curve	2,300
	A9F44116	iC60N MCB SP 16 Amp Icu 10kA, C-Curve	1,900
	A9F44120	iC60N MCB SP 20 Amp Icu 10kA, C-Curve	1,900
	A9F44125	iC60N MCB SP 25 Amp Icu 10kA, C-Curve	1,900
	A9F44132	iC60N MCB SP 32 Amp Icu 10kA, C-Curve	2,000
	A9F44140	iC60N MCB SP 40 Amp Icu 10kA, C-Curve	2,000
	A9F44150	iC60N MCB SP 50 Amp Icu 10kA, C-Curve	2,300
	A9F44163	iC60N MCB SP 63 Amp Icu 10kA, C-Curve	2,300
Double Pole	A9F44202	iC60N MCB DP 2 Amp Icu 10kA, C-Curve	18,000
	A9F44204	iC60N MCB DP 4 Amp Icu 10kA, C-Curve	18,000
	A9F44206	iC60N MCB DP 6 Amp Icu 10kA, C-Curve	7,300
	A9F44210	iC60N MCB DP 10 Amp Icu 10kA, C-Curve	7,300
	A9F44216	iC60N MCB DP 16 Amp Icu 10kA, C-Curve	6,000
	A9F44220	iC60N MCB DP 20 Amp Icu 10kA, C-Curve	6,000
	A9F44225	iC60N MCB DP 25 Amp Icu 10kA, C-Curve	6,000
	A9F44232	iC60N MCB DP 32 Amp Icu 10kA, C-Curve	6,200
	A9F44240	iC60N MCB DP 40 Amp Icu 10kA, C-Curve	6,200
	A9F44250	iC60N MCB DP 50 Amp Icu 10kA, C-Curve	8,200
	A9F44263	iC60N MCB DP 63 Amp Icu 10kA, C-Curve	8,200
Triple Pole	A9F44302	iC60N MCB TP 2 Amp Icu 10kA, C-Curve	16,000
	A9F44304	iC60N MCB TP 4 Amp Icu 10kA, C-Curve	16,000
	A9F44306	iC60N MCB TP 6 Amp Icu 10kA, C-Curve	12,500
	A9F44310	iC60N MCB TP 10 Amp Icu 10kA, C-Curve	12,500
	A9F44316	iC60N MCB TP 16 Amp Icu 10kA, C-Curve	10,500
	A9F44320	iC60N MCB TP 20 Amp Icu 10kA, C-Curve	10,500
	A9F44325	iC60N MCB TP 25 Amp Icu 10kA, C-Curve	10,500
	A9F44332	iC60N MCB TP 32 Amp Icu 10kA, C-Curve	9,300
	A9F44340	iC60N MCB TP 40 Amp Icu 10kA, C-Curve	9,300
	A9F44350	iC60N MCB TP 50 Amp Icu 10kA, C-Curve	10,500
	A9F44363	iC60N MCB TP 63 Amp Icu 10kA, C-Curve	10,500

CEI/EN 60947-2

BS/EN 60898-1

- Disbo iC60N circuit breakers are multi-standard circuit breakers which combine the following functions:
- Circuit protection against short-circuit currents,
- Circuit protection against overload currents,
- Suitable for industrial isolation according to IEC/EN 60947-2, standard.
- Fault tripping indication by a red mechanical indicator in circuit breaker front


C Curve, IEC 60898 : 6KA, IEC60947-2 : 10KA

Poles	Part No.	Description	List Price
Four Pole	A9F44406	iC60N MCB FP 6 Amp Icu 10kA, C-Curve	16,500
	A9F44410	iC60N MCB FP 10 Amp Icu 10kA, C-Curve	16,500
	A9F44416	iC60N MCB FP 16 Amp Icu 10kA, C-Curve	14,000
	A9F44420	iC60N MCB FP 20 Amp Icu 10kA, C-Curve	14,000
	A9F44425	iC60N MCB FP 25 Amp Icu 10kA, C-Curve	14,000
	A9F44432	iC60N MCB FP 32 Amp Icu 10kA, C-Curve	14,000
	A9F44440	iC60N MCB FP 40 Amp Icu 10kA, C-Curve	15,000
	A9F44450	iC60N MCB FP 50 Amp Icu 10kA, C-Curve	17,000
	A9F44463	iC60N MCB FP 63 Amp Icu 10kA, C-Curve	17,000

Miniature Circuit Breaker

Acti 9

CEI/EN 60947-2

BS/EN 60898-1

- Disbo iC60H circuit breakers are multi-standard circuit breakers which combine the following functions:
- Circuit protection against short-circuit currents,
- Circuit protection against overload currents,
- Suitable for industrial isolation according to IEC/EN 60947-2, standard.
- Fault tripping indication by a red mechanical indicator in circuit breaker front face

C Curve, IEC 60898 : 10KA, IEC60947-2 : 15KA


Poles	Part No.	Description	List Price
Single Pole	A9F54106	iC60H MCB SP 6 Amp Icu 15kA, C-Curve	3,000
	A9F54110	iC60H MCB SP 10 Amp Icu 15kA, C-Curve	3,000
	A9F54116	iC60H MCB SP 16 Amp Icu 15kA, C-Curve	2,400
	A9F54120	iC60H MCB SP 20 Amp Icu 15kA, C-Curve	2,400
	A9F54125	iC60H MCB SP 25 Amp Icu 15kA, C-Curve	2,400
	A9F54132	iC60H MCB SP 32 Amp Icu 15kA, C-Curve	2,400
	A9F54140	iC60H MCB SP 40 Amp Icu 15kA, C-Curve	2,400
	A9F54150	iC60H MCB SP 50 Amp Icu 15kA, C-Curve	2,800
	A9F54163	iC60H MCB SP 63 Amp Icu 15kA, C-Curve	2,800

IEC/EN 60898-1, IEC 60947-2

C120N circuit breakers are multistandard circuit breakers that combine the following functions:

- Circuit protection against short-circuit currents,
- Circuit protection against overload currents,
- Suitability for isolation in the industrial sector to IEC/EN 60947-2,
- Fault tripping and indication by adding auxiliaries.



C120N - C Curve, IEC 60898 : 10KA, IEC60947-2 : 10KA

Pole	Part No.	Description	List price
Single Pole	A9N18357	C120N MCB SP 80 Amp Icu 10kA, C-Curve	7,400
	A9N18358	C120N MCB SP 100 Amp Icu 10kA, C-Curve	7,600
	A9N18359	C120N MCB SP 125 Amp Icu 10kA, C-Curve	9,500
Double Pole	A9N18361	C120N MCB DP 80 Amp Icu 10kA, C-Curve	15,500
	A9N18362	C120N MCB DP 100 Amp Icu 10kA, C-Curve	15,500
	A9N18363	C120N MCB DP 125 Amp Icu 10kA, C-Curve	17,000
Three Pole	A9N18365	C120N MCB TP 80 Amp Icu 10kA, C-Curve	30,000
	A9N18367	C120N MCB TP 100 Amp Icu 10kA, C-Curve	30,000
	A9N18369	C120N MCB TP 125 Amp Icu 10kA, C-Curve	24,000
Four Pole	A9N18372	C120N MCB FP 80 Amp Icu 10kA, C-Curve	45,000
	A9N18374	C120N MCB FP 100 Amp Icu 10kA, C-Curve	45,000
	A9N18376	C120N MCB FP 125 Amp Icu 10kA, C-Curve	37,000

Accessories / Electrical Auxiliaries For Miniature Circuit BreakerActi 9

Type	Part No.	Description	List price
iMX+OF	A9A26476	iMX Shunt trip 100-415VAC	20,000
iMN	A9A26960	iMN UVT 220-240VAC	20,000
iSD	A9A26927	Alarm Switch iSD Auxiliary contact	15,000
iOF	A9A26924	iOF Auxiliary contact	15,000
iOF+S	A9A26929	iOF/SD+OF Auxiliary contact	20,000

Acti9 iTL Impulse Relay

Acti9 iTL is a modular impulse relay.

It is mainly used for lighting control applications.

The switching frequency is 5 switching operations/minute or 100 switching operations/day.

Rated current is 16A, 24VAC to 250VAC operating voltage and it operates with 230VAC to 240VAC or 110VDC control voltage.

IEC/EN 60669-1 and IEC/EN 60669-2-2 standard.



Type	Part No.	Description	List price
iTL	A9C30811	Impulse Relay iTL 1P, 1NO, 16A Coil 110 VDC-230~240 VAC, 50/60H	15,000

IEC/EN 60947-2

The C60H-DC supplementary protectors are used in direct current circuits (Industrial control and automations, transport, renewable energy...).

They combine the following functions of circuit protection against short-circuit and overload currents, control and isolation.

C Curve IEC60947-2

Poles	Part No.	Description	List Price
Single Pole	A9N61501	C60H-DC MCB SP 1 Amp 500VDC, C-Curve	9,500
	A9N61502	C60H-DC MCB SP 2 Amp 500VDC, C-Curve	9,500
	A9N61504	C60H-DC MCB SP 4 Amp 500VDC, C-Curve	9,500
	A9N61506	C60H-DC MCB SP 6 Amp 500VDC, C-Curve	9,500
	A9N61508	C60H-DC MCB SP 10 Amp 500VDC, C-Curve	9,500
	A9N61511	C60H-DC MCB SP 16 Amp 500VDC, C-Curve	10,000
	A9N61512	C60H-DC MCB SP 20 Amp 500VDC, C-Curve	10,000
	A9N61513	C60H-DC MCB SP 25 Amp 500VDC, C-Curve	10,000
	A9N61515	C60H-DC MCB SP 32 Amp 500VDC, C-Curve	10,000
	A9N61517	C60H-DC MCB SP 40 Amp 500VDC, C-Curve	13,000
	A9N61518	C60H-DC MCB SP 50 Amp 500VDC, C-Curve	13,000
	A9N61519	C60H-DC MCB SP 63 Amp 500VDC, C-Curve	13,000
Double Pole	A9N61522	C60H-DC MCB DP 2 Amp 500VDC, C-Curve	25,000
	A9N61524	C60H-DC MCB DP 4 Amp 500VDC, C-Curve	25,000
	A9N61526	C60H-DC MCB DP 6 Amp 500VDC, C-Curve	20,000
	A9N61528	C60H-DC MCB DP 10 Amp 500VDC, C-Curve	20,000
	A9N61531	C60H-DC MCB DP 16 Amp 500VDC, C-Curve	18,000
	A9N61532	C60H-DC MCB DP 20 Amp 500VDC, C-Curve	18,000
	A9N61533	C60H-DC MCB DP 25 Amp 500VDC, C-Curve	18,000
	A9N61535	C60H-DC MCB DP 32 Amp 500VDC, C-Curve	24,000
	A9N61537	C60H-DC MCB DP 40 Amp 500VDC, C-Curve	24,000
	A9N61538	C60H-DC MCB DP 50 Amp 500VDC, C-Curve	24,000
	A9N61539	C60H-DC MCB DP 63 Amp 500VDC, C-Curve	24,000

Surge Protection Devices ARRESTERS

- ☐ Protecting your equipment with surge protection device
- ☐ electronics by directing energy surges in the supply line straight to the ground.
- ☐ surge arrester class Type 2
- ☐ Din rail Mounting support



Type	Part No.	Description	List Price
IPF40	A9L15687	SPD 1P+N, 40KA Class-Type 2	25,000
IPF40	A9L15688	SPD 3P+N, 40KA Class-Type 2	43,000
IPF65	A9L15586	SPD 3P+N, 65KA Class-Type 2	80,000

IEC/EN 61008-1

■ The iLD residual current circuit breakers provide:

- ☐ protection of persons against electric shock by direct contact (p 30 mA),
- ☐ protection of persons against electric shock by indirect contact (p 100 mA),
- ☐ protection of installations against the risk of fire (300 mA or 500 mA).

iLD: Residual Current Circuit Breaker — IEC61009



Type	Part No.	Description	List price
Double Pole	A9R71225	RCCB, DP 25 Amp, Sensitivity 30mA	12,000
	A9R74225	RCCB, DP 25 Amp, Sensitivity 300mA	12,000
	A9R71240	RCCB, DP 40 Amp, Sensitivity 30mA	12,000
	A9R74240	RCCB, DP 40 Amp, Sensitivity 300mA	12,000
	A9R71263	RCCB, DP 63 Amp, Sensitivity 30mA	16,000
	A9R74263	RCCB, DP 63 Amp, Sensitivity 300mA	16,000
Four Pole	A9R71425	RCCB, FP 25Amp, Sensitivity 30mA	18,000
	A9R71426	RCCB, FP 25Amp, Sensitivity 300mA	18,000
	A9R71440	RCCB, FP 40Amp, Sensitivity 30mA	18,000
	A9R74440	RCCB, FP 40Amp, Sensitivity 300mA	18,000
	A9R71463	RCCB, FP 63 Amp, Sensitivity 30mA	22,000
	A9R74463	RCCB, FP 63 Amp, Sensitivity 300mA	22,000
	A9R16463	RCCB, FP 63 Amp, Sensitivity 500mA	40,000
	A9R14480	RCCB, FP 80 Amp, Sensitivity 300mA	40,000
	A9R11491	RCCB, FP 100 Amp, Sensitivity 30mA	40,000
	A9R12491	RCCB, FP 100 Amp, Sensitivity 100mA	40,000
	A9R14491	RCCB, FP 100 Amp, Sensitivity 300mA	40,000

Residual Current Circuit Breaker with overload protection

IEC 61009-1,

IEC 61009-2-2

■ The single-phase iC60H RCBO's self-contained residual current device carries out complete protection of final circuits:

- protection against short-circuits and cable overloads
- protection of persons against electric shock by direct contact (30 mA sensitivities),

can be used on most circuits, except for the ones operating under TT or IT earthing systems.



iC60N/H RCBO — A Class, C Curve, IEC 60898, IEC61009 : 6KA / 10KA

Part No.	Description	List price
A9D14806	RCBO, 6 Amp, Sensitivity 30mA	14,000
A9D14810	RCBO, 10 Amp, Sensitivity 30mA	14,000
A9D14816	RCBO, 16 Amp, Sensitivity 30mA	12,000
A9D14820	RCBO, 20 Amp, Sensitivity 30mA	12,000
A9D14825	RCBO 25 Amp, Sensitivity 30mA	12,000
A9D14832	RCBO 32 Amp, Sensitivity 30mA	12,000
A9D14840	RCBO, 40 Amp, Sensitivity 30mA	12,000

Moulded Case Circuit Breakers 15A to 400A

- Breaking capacity from 7.5 to 50kA at 400/415V
- 3 frame sizes from 100 to 400A
- 3 and 4 pole frame
- Overload, Short- circuit & Earth leakage.
- Field installable auxiliaries and accessories
- With just three sizes, EasyPact is the simple,universal solution to fit all low voltage protection needs.
- Unique! All three protection functions built into the 250A

**EasyPact EZC100B - With thermal-magnetic trip unit fixed**

Poles	Part No.	Description	List Price
Triple Pole	EZC100B3015	MCCB TP 15 Amp 7.5kA	13,500
	EZC100B3025	MCCB TP 25 Amp 7.5kA	13,500
	EZC100B3030	MCCB TP 30 Amp 7.5kA	13,500
	EZC100B3040	MCCB TP 40 Amp 7.5kA	13,500
	EZC100B3050	MCCB TP 50 Amp 7.5kA	13,500
	EZC100B3060	MCCB TP 60 Amp 7.5kA	13,500

EasyPact EZC100F - With thermal-magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple Pole	EZC100F3015	MCCB TP 15 Amp 10kA	14,500
	EZC100F3025	MCCB TP 25 Amp 10kA	14,500
	EZC100F3030	MCCB TP 30 Amp 10kA	14,500
	EZC100F3040	MCCB TP 40 Amp 10kA	14,500
	EZC100F3050	MCCB TP 50 Amp 10kA	14,500
	EZC100F3060	MCCB TP 60 Amp 10kA	14,500
	EZC100F3080	MCCB TP 80 Amp 10kA	14,500
	EZC100F3100	MCCB TP 100 Amp 10kA	14,500

EasyPact EZC250F - With thermal-magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple pole	EZC250F3125	MCCB TP 125 Amp 18kA	35,000
	EZC250F3150	MCCB TP 150 Amp 18kA	35,000
	EZC250F3200	MCCB TP 200 Amp 18kA	39,000
	EZC250F3225	MCCB TP 225 Amp 18kA	39,000
	EZC250F3250	MCCB TP 250 Amp 18kA	39,000

EasyPact EZC100N - With thermal-magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple Pole	EZC100N3015	MCCB TP 15 Amp 15kA	16,000
	EZC100N3025	MCCB TP 25 Amp 15kA	16,000
	EZC100N3030	MCCB TP 30 Amp 15kA	16,000
	EZC100N3040	MCCB TP 40 Amp 15kA	16,000
	EZC100N3050	MCCB TP 50 Amp 15kA	16,000
	EZC100N3060	MCCB TP 60 Amp 15kA	16,000
	EZC100N3080	MCCB TP 80 Amp 15kA	16,000
	EZC100N3100	MCCB TP 100 Amp 15kA	16,000

EasyPact EZC250N - EZC400N With thermal magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple Pole	EZC250N3125	MCCB TP 125 Amp 25kA	38,000
	EZC250N3150	MCCB TP 150 Amp 25kA	38,000
	EZC250N3200	MCCB TP 200 Amp 25kA	50,000
	EZC250N3225	MCCB TP 225 Amp 25kA	50,000
	EZC250N3250	MCCB TP 250 Amp 25kA	50,000
	EZC400N3320N	MCCB TP 320 Amp 36kA	100,000
	EZC400N3350N	MCCB TP 350 Amp 36kA	100,000
	EZC400N3400N	MCCB TP 400 Amp 36kA	100,000

EasyPact EZC100H - With thermal-magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple Pole	EZC100H3015	MCCB TP 15 Amp 30kA	24,000
	EZC100H3025	MCCB TP 25 Amp 30kA	20,000
	EZC100H3030	MCCB TP 30 Amp 30kA	24,000
	EZC100H3040	MCCB TP 40 Amp 30kA	24,000
	EZC100H3050	MCCB TP 50 Amp 30kA	24,000
	EZC100H3060	MCCB TP 60 Amp 30kA	24,000
	EZC100H3080	MCCB TP 80 Amp 30kA	24,000
	EZC100H3100	MCCB TP 100 Amp 30kA	24,000
Four Pole	EZC100H4015	MCCB FP 15 Amp 30kA	40,000
	EZC100H4025	MCCB FP 25 Amp 30kA	40,000
	EZC100H4030	MCCB FP 30 Amp 30kA	40,000
	EZC100H4040	MCCB FP 40 Amp 30kA	40,000
	EZC100H4060	MCCB FP 60 Amp 30kA	40,000
	EZC100H4080	MCCB FP 80 Amp 30kA	40,000
	EZC100H4100	MCCB FP 100 Amp 30kA	40,000

EasyPact EZC250H / EZC400H - With thermal magnetic trip unit fixed

Poles	Part No.	Description	List Price
Triple Pole	EZC250H3125	MCCB TP 125 Amp 36kA	45,000
	EZC250H3150	MCCB TP 150 Amp 36kA	45,000
	EZC250H3200	MCCB TP 200 Amp 36kA	60,000
	EZC250H3225	MCCB TP 225 Amp 36KA	60,000
	EZC250H3250	MCCB TP 250 Amp 36kA	70,000
	EZC400H3320	MCCB TP 320 Amp 50kA	120,000
	EZC400H3350	MCCB TP 350 Amp 50kA	120,000
	EZC400H3400	MCCB TP 400 Amp 50kA	120,000
Four Pole	EZC250H4125	MCCB FP 125 Amp 36kA	90,000
	EZC250H4150	MCCB FP 150 Amp 36kA	95,000
	EZC250H4200	MCCB FP 200 Amp 36kA	95,000
	EZC250H4250	MCCB FP 250 Amp 50kA	100,000
	EZC400H4320	MCCB FP 320 Amp 50kA	170,000
	EZC400H4350	MCCB FP 350 Amp 50kA	170,000
	EZC400H4400	MCCB FP 400 Amp 50kA	170,000

Electrical auxiliaries for EasyPact

Part No.	Description	List Price
EZAUX10	EZC-100 Auxiliary Switch	10,000
EZEAX	EZC-250 Auxiliary Switch	10,000
EZAROTDS	EZC-100 Direct Rotary Handle	20,000
EZAROTE	EZC-100 Ext. Rotary Handle	25,000
EZEROTDS	EZC-250 Direct Rotary Handle	20,000
EZEROTE	EZC-250 Ext. Rotary Handle	25,000

LV circuit breakers from 16 to 630A

The EasyPact CVS range of Class II, moulded-case circuit breakers from Schneider Electric is precision engineered to help make your installations safer and more reliable while adapting to today's tight construction and upgrade budgets.

Offering exceptional capability, quality, and value

EasyPact CVS is the easy choice for all your most common electrical distribution applications in medium-sized commercial and industrial buildings.



With thermal-magnetic trip unit TM-D

Poles	Part No.	Description	List Price
Triple Pole	LV510330	CVS100F MCCB TP 16 Amp 36KA	27,000
	LV510331	CVS100F MCCB TP 25 Amp 36KA	27,000
	LV510332	CVS100F MCCB TP 32 Amp 36KA	27,000
	LV510333	CVS100F MCCB TP 40 Amp 36KA	27,000
	LV510334	CVS100F MCCB TP 50 Amp 36KA	27,000
	LV510335	CVS100F MCCB TP 63 Amp 36KA	27,000
	LV510336	CVS100F MCCB TP 80 Amp 36KA	27,000
	LV510337	CVS100F MCCB TP 100 Amp 36kA	27,000
	LV516332	CVS160F MCCB TP 125 Amp 36kA	41,000
	LV516333	CVS160F MCCB TP 160 Amp 36kA	41,000
	LV525332	CVS250F MCCB TP 200 Amp 36kA	55,000
	LV525333	CVS250F MCCB TP 250 Amp 36kA	55,000
	LV540305	CVS400F MCCB TP 320Amp 36KA	116,000
	LV540306	CVS400F MCCB TP 400 Amp 36kA	116,000
	LV563505	CVS630F MCCB TP 630 Amp 36kA	165,000
Four Pole	LV510340	CVS100F MCCB FP 16 Amp 36KA	52,000
	LV510341	CVS100F MCCB FP 25 Amp 36KA	52,000
	LV510342	CVS100F MCCB FP 32 Amp 36KA	52,000
	LV510343	CVS100F MCCB FP 40 Amp 36KA	52,000
	LV510344	CVS100F MCCB FP 50 Amp 36KA	52,000
	LV510345	CVS100F MCCB FP 63 Amp 36KA	52,000
	LV510346	CVS100F MCCB FP 80 Amp 36KA	52,000
	LV510347	CVS100F MCCB FP 100 Amp 36kA	52,000
	LV516342	CVS160F MCCB FP 125 Amp 36kA	62,000
	LV516343	CVS160F MCCB FP 160 Amp 36kA	62,000
	LV525342	CVS250F MCCB FP 200 Amp 36kA	96,000
	LV525343	CVS250F MCCB FP 250 Amp 36kA	96,000
	LV540308	CVS400F MCCB FP 320Amp 36KA	185,000
	LV540309	CVS400F MCCB FP 400 Amp 36kA	185,000
	LV540511	CVS400N MCCB FP 400 Amp 50kA	215,000
	LV563506	CVS630F MCCB FP 630 Amp 36KA	250,000
	LV563511	CVS630N MCCB FP 630 Amp 50KA	280,000

NSX Series LV circuit breakers from 16 to 1600A

Direct access to energy efficiency achieved by embedded energy measurement in kWh.

Integrated monitoring with easy adaptability to SCADA/ iBMS/ PMCS/ EMCS Systems.

- Only two frame sizes.
- Voltage Rating up to 690V
- Isolation with Positive Break



With thermal-magnetic trip unit TM-D 36kA

Poles	Part No.	Description	List Price
Triple Pole	C10F3TM016C	NSX100F MCCB, TP 16 Amp 36kA	34,000
	C10F3TM025C	NSX100F MCCB, TP 25 Amp 36kA	34,000
	C10F3TM032C	NSX100F MCCB, TP 32 Amp 36kA	34,000
	C10F3TM040C	NSX100F MCCB, TP 40 Amp 36kA	34,000
	C10F3TM050C	NSX100F MCCB, TP 50 Amp 36kA	34,000
	C10F3TM063C	NSX100F MCCB, TP 63 Amp 36kA	34,000
	C10F3TM080C	NSX100F MCCB, TP 80 Amp 36kA	34,000
	C10F3TM100C	NSX100F MCCB, TP 100 Amp 36kA	34,000
	C16F3TM125	NSX160F MCCB, TP 125 Amp 36kA	55,000
	C16F3TM160	NSX160F MCCB, TP 160 Amp 36kA	70,000
	C25F3TM200C	NSX250F MCCB, TP 200 Amp 36kA	85,000
	C25F3TM250	NSX250F MCCB, TP 250 Amp 36kA	85,000
Four Pole	C10F6TM016C	NSX100F MCCB, FP 16 Amp 36kA	62,000
	C10F6TM025C	NSX100F MCCB, FP 25 Amp 36kA	62,000
	C10F6TM032C	NSX100F MCCB, FP 32 Amp 36kA	62,000
	C10F6TM040C	NSX100F MCCB, FP 40 Amp 36kA	62,000
	C10F6TM050C	NSX100F MCCB, FP 50 Amp 36kA	62,000
	C10F6TM063C	NSX100F MCCB, FP 63 Amp 36kA	62,000
	C10F6TM080C	NSX100F MCCB, FP 80 Amp 36kA	62,000
	C10F6TM100C	NSX100F MCCB, FP 100 Amp 36kA	62,000
	C16F6TM125C	NSX160F MCCB, FP 125 Amp 36kA	70,000
	C16F6TM160C	NSX160F MCCB, FP 160 Amp 36kA	90,000
	C25F6TM200C	NSX250F MCCB, FP 200 Amp 36kA	145,000
	C25F6TM250C	NSX250F MCCB, FP 250 Amp 36kA	145,000

Electronic trip unit Micrologic 2.3, 50kA

Poles	Part No.	Description	List Price
Triple Pole	C40N32D400	NSX400N MCCB, TP 400 Amp 50kA	160,000
	C63N32D630	NSX630N MCCB, TP 630 Amp 50kA	190,000
Four Pole	C40N42D400	NSX400N MCCB, FP 400 Amp 50kA	250,000
	C63N42D630	NSX630N MCCB, FP 630 Amp 50kA	310,000

Front-connected circuit breaker with Micrologic 2.0 control unit, 50kA

Poles	Part No.	Description	List Price
Triple Pole	33466	NS800N MCCB, TP 800 Amp 50kA	390,000
	33472	NS1000N MCCB, TP 1000 Amp 50kA	460,000
	33478	NS1250N MCCB, TP 1250 Amp 50kA	480,000
	33482	NS1600N MCCB, TP 1600 Amp 50kA	590,000
Four Pole	33469	NS800N MCCB, FP 800 Amp 50kA	600,000
	33475	NS1000N MCCB, FP 1000 Amp 50kA	665,000
	33480	NS1250N MCCB, FP 1250 Amp 50kA	680,000
	33484	NS1600N MCCB, FP 1600 Amp 50kA	850,000

With thermal-magnetic trip unit TM-D 70kA

Poles	Part No.	Description	List Price
Triple Pole	C10H3TM016C	NSX100H MCCB, TP 16 Amp 70kA	60,000
	C10H3TM025C	NSX100H MCCB, TP 25 Amp 70kA	60,000
	C10H3TM032C	NSX100H MCCB, TP 32 Amp 70kA	60,000
	C10H3TM040C	NSX100H MCCB, TP 40 Amp 70kA	60,000
	C10H3TM050C	NSX100H MCCB, TP 50 Amp 70kA	60,000
	C10H3TM063C	NSX100H MCCB, TP 63 Amp 70kA	60,000
	C10H3TM080C	NSX100H MCCB, TP 80 Amp 70kA	60,000
	C10H3TM100C	NSX100H MCCB, TP 100 Amp 70kA	60,000
	C16H3TM125C	NSX160H MCCB, TP 125 Amp 70kA	65,000
	C16H3TM160C	NSX160H MCCB, TP 160 Amp 70kA	75,000
	C25H3TM200C	NSX250H MCCB, TP 200 Amp 70kA	120,000
	C25H3TM250C	NSX250H MCCB, TP 250 Amp 70kA	120,000

Electronic trip unit Micrologic 2.3, 70kA

Poles	Part No.	Description	List Price
Triple Pole	C40H32D400	NSX400H MCCB, TP 400 Amp 70kA	215,000
	C63H32D630	NSX630H MCCB, TP 630 Amp 70kA	250,000

Front-connected circuit breaker with Micrologic 2.0 control unit, 70kA

Poles	Part No.	Description	List Price
Triple Pole	33467	NS800H MCCB, TP 800 Amp 70kA	485,000
	33473	NS1000H MCCB, TP 1000 Amp 70kA	594,000
	33479	NS1250H MCCB, TP 1250 Amp 70kA	610,000
	33483	NS1600H MCCB, TP 1600 Amp 70kA	735,000
Four Pole	33470	NS800H MCCB, FP 800 Amp 70kA	875,000
	33476	NS1000H MCCB, FP 1000 Amp 70kA	975,000
	33481	NS1250H MCCB, FP 1250 Amp 70kA	1,050,000
	33485	NS1600H MCCB, FP 1600 Amp 70kA	1,150,000

Auxiliary contacts (changeover)

Type	Part No.	Description	List Price
Aux. Switch	29450	OF or SD or SDE or SDV for NS100-630	9,500
Shunt Trip	LV429387	MN for NS100/250/400/630	21,000
	33662	MN for NS800-3200	45,000
UVT Trip	LV429408	MX for NS100/250/400/630	30,000
	33673	MX for NS800-3200	45,000
Rotary Handle	LV429337	For NS100/250	20,000
	LV432597	For NS400-630	30,000
	33863	For NS800-3200	42,000
Ext. Rotary Handle	LV429338	For NS100/250	30,000
	LV432598	For NS400-630	40,000
	33878	For NS630-1600	85,000
Motor Mechanism	LV429434	For NS100	105,000
	LV431541	For NS250	105,000
	LV432641	For NS400-630	260,000
	33688	For NS630-1600	280,000
Locking Device	29370	LOCKING DEVICE (TOGGLE)	5,000
	32631	For NS800-3200	25,000

Earth Fault Relays For Use With MCCB & ACB

Residual current protection relay, protection class, Type A, DIN rail

Time delay Instantaneous for 0.03 A, Adj 9 settings 0...4.5 s for 0.03...30

Current sensors compatibility

TOA earth leakage current sensor

A earth leakage current sensor

L earth leakage current sensor



Part No	Description	List price
56173	RH99M (Sensitivity:0.3-30A (ADJ.), 0-4.5 S ADJ.)	75,000
50438	50mm TOROID DIA	30,000
50439	80mm TOROID DIA	40,000
50440	120mm TOROID DIA	60,000
50441	200mm TOROID DIA	100,000

800A to 6300A high-current Air Circuit Breakers

- Nominal current: 800A to 6300 A
- Breaking performance: 42 to 150 kA at 690V
- 2 physical sizes from 800 to 6300A
- 2 pole pitches of 115 and 230mm
- 4 types of Micrologic control units with added measurement, energy-management and network-analysis functions

**Masterpact NW 800A-6300A, H1 65 kA**

Poles	Part No.	Description	List Price
Triple Pole	NW08H13F2EHHXX	MFXD 2.0E ACB TP 800 Amp, 65kA	740,000
	NW10H13F2EHHXX	MFXD 2.0E ACB TP 1000 Amp, 65kA	780,000
	NW12H13F2EHHXX	MFXD 2.0E ACB TP 1250 Amp, 65kA	800,000
	NW16H13F5EHHXX	MFXD 5.0E ACB TP 1600 Amp, 65kA	880,000
	NW20H13F5EHHXX	MFXD 5.0E ACB TP 2000 Amp, 65kA	930,000
	NW25H13F5EHHXX	MFXD 5.0E ACB TP 2500 Amp, 65kA	1,180,000
	NW32H13F5EHHXX	MFXD 5.0E ACB TP 3200 Amp, 65kA	1,750,000
	NW40H13F5EHHXX	MFXD 5.0E ACB TP 4000 Amp, 65kA	2,200,000
	NW50H13F5EHHXX	MFXD 5.0E ACB TP 5000 Amp, 65kA	On Request
	NW63H13F5EHHXX	MFXD 5.0E ACB TP 6300 Amp, 65kA	On Request
Four Pole	NW08H14F2EHHXX	MFXD 2.0E ACB FP 800 Amp, 65kA	1,090,000
	NW10H14F2EHHXX	MFXD 2.0E ACB FP 1000 Amp, 65kA	1,150,000
	NW12H14F2EHHXX	MFXD 2.0E ACB FP 1250 Amp, 65kA	1,220,000
	NW16H14F5EHHXX	MFXD 5.0E ACB FP 1600 Amp, 65kA	1,300,000
	NW20H14F5EHHXX	MFXD 5.0E ACB FP 2000 Amp, 65kA	1,430,000
	NW25H14F5EHHXX	MFXD 5.0E ACB FP 2500 Amp, 65kA	1,850,000
	NW32H14F5EHHXX	MFXD 5.0E ACB FP 3200 Amp, 65kA	2,380,000
	NW40H14F5EHHXX	MFXD 5.0E ACB FP 4000 Amp, 65kA	3,300,000

Masterpact NW 800A-6300A, H2 100 kA

Poles	Part No.	Description	List Price
Triple Pole	NW08H23F2EHHAA	MFXD 2.0E ACB TP 800 Amp, 100KA	930,000
	NW10H23F2EHHXX	MFXD 2.0E ACB TP 1000 Amp, 100KA	990,000
	NW12H23F2EHHXX	MFXD 2.0E ACB TP 1250 Amp, 100KA	1,010,000
	NW16H23F5EHHXX	MFXD 5.0E ACB TP 1600 Amp, 100KA	1,100,000
	NW20H23F5EHHXX	MFXD 5.0E ACB TP 2000 Amp, 100KA	1,250,000
	NW25H23F5EHVXX	MFXD 5.0E ACB TP 2500 Amp, 100KA	1,600,000
	NW32H23F5EHHXX	MFXD 5.0E ACB TP 3200 Amp, 100KA	1,980,000
	NW40H23F5EHHXX	MFXD 5.0E ACB TP 4000 Amp, 100KA	2,700,000
Four Pole	NW08H24F2EHHXX	MFXD 2.0E ACB FP 800 Amp, 100KA	1,200,000
	NW10H24F2EHHXX	MFXD 2.0E ACB FP 1000 Amp, 100KA	1,400,000
	NW12H24F2EHHXX	MFXD 2.0E ACB FP 1250 Amp, 100KA	1,500,000
	NW16H24F5EHHXX	MFXD 5.0E ACB FP 1600 Amp, 100KA	1,600,000
	NW20H24F5EHHXX	MFXD 5.0E ACB FP 2000 Amp, 100KA	1,800,000
	NW25H24F5EHHXX	MFXD 5.0E ACB FP 2500 Amp, 100KA	2,300,000
	NW32H24F5EHHXX	MFXD 5.0E ACB FP 3200 Amp, 100KA	2,950,000
	NW40H24F5EHHXX	MFXD 5.0E ACB FP 4000 Amp, 100KA	4,100,000

DRAW OUT CHASIS 3 POLE, FOR NW ACB:

Type	Description	List Price
800A to 1600A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
2000A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
2500A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
3200A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
4000A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request

DRAW OUT CHASIS 4 POLE, FOR NW ACB:

Type	Description	List Price
800A to 1600A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
2000A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
2500A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
3200A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request
4000A	DRAW OUT CHASIS 3 POLE, FOR NW ACB:	On Request

Masterpact NW Accessories

Type	Part No.	Description	List Price
MN	47383	Under voltage trip 220/250 VAC	39,000
MNR	33685	Time delayed under voltage release	39,000
MX	47353	Shunt trip 220/250 VAC	39,000
XF	47363	Shunt trip 220/250 VAC	39,000
MCH	47396	Motor mechanism for NW	250,000
VM2FC	(2X47926)+33209	Mechanical interlock flexible	275,000
VSPA1	48550	Key Interlock	50,000
Padlock		Push Button Locking Cover	5,000
VM2FT	48612	Mechanical interlock rigid	210,000
4 OF Contact		Additional 4 C/O Contact	30,000
Up to 2000A		Neutral CT For E/F Protection	225,000
Up to 4000A		Neutral CT For E/F Protection	250,000
	48200	Earth Fault Relay "W" OT "T"	15,000

DM3000 series : 3-Ph V A panel meters

Applications

- 3-ph volts & Current monitoring with built-in selector switch
- Electrical load monitoring
- Gensets, test benches & laboratories
- Capacitor rated current measurement in PFI panels

Smart features

- Intuitive dual function key
- Used for 50/60Hz network frequency
- Bright LED indications - kilo & phase indications for measured value
- Wide range of auxiliary supply, AC or DC control power
- Low VA burden
- Accuracy Class 0.5 for Volts & Amps and class 0.2 for Frequency



DM3000 Series

Part No.	Description	List Price
METSEDM3110	Digital Three Phase Ammeter	12,000
METSEDM3210	Digital Three Phase Voltmeter	12,000

PM2000 multi-function meters

The Power Logic PM2100 series meters are easy-to-use, cost effective meters that offer the basic measurement capabilities required to monitor an electrical installation.

Characterized their rugged construction, compact size and low installation costs, these-or-the-art-multi-function meters are ideal for control panels, motor control centers and gensets panels.



Power Meter Series PM2000

Part No.	Description	List Price
METSEPM2110	LED, VAF, P & E, THD, POP, Class1.1	55,000
METSEPM2130	LED, VAF, P & E, RS485, Min/Max, RTC	65,000

PM5000 multi-function meters

The Power Logic PM5000 power meter is the ideal fit for cost management and energy efficiency.

It provides the measurement capabilities needed to allocate energy usage, perform tenant metering and sub-billing, pin-point energy saving, optimize equipment efficiency and utilization, and perform a high level assessment of the power quality of the electrical network.

In a single 96 X 96 mm unit, with a graphical display The bright, anti-glare display features large characters and powerful backlighting for easy reading even in extreme lighting conditions and viewing angles. Easy to understand menus, text in 8 selectable languages, icons and graphics create a friendly environment to learn about your electrical network.

Ethernet gateway and enhanced cyber security.



Part No.	Description	List Price
METSEPM5310	Power Meter Serial + 2DI-2DO out	150,000
METSEPM5560	Power Meter Eth Serial + 4DI-2DO-out	450,000
METSEPM8240	Power Meter Eth Serial + 4DI-2DO-out	650,000

The Varlogic controllers permanently monitor the reactive power of the installation and control the connection and disconnection of capacitor steps in order to obtain the targeted power factor.

Performance

- Permanent monitoring of the network and equipment.
- Information provided about equipment status,
- Alarm signals transmitted in case of anomaly
- Communication by Modbus protocol.
- New control algorithm designed to reduce the number of switching operations and quickly attain the targeted power factor.

Simplicity

- Simplified programming and possibility of intelligent self set-up.
- Ergonomic layout of control buttons.
- Quick and simple mounting and wiring.
- A special menu allows controller self-configuration.

User-friendliness

The large display allow:

- Direct viewing of installation electrical information and capacitor stage condition.
- Direct reading of set-up configuration.
- Intuitive browsing in the various menus (indication, commissioning, configuration).
- Alarm indication.

Monitoring and protection

Alarms

- Should anomaly occur on the network or the capacitor bank, alarms are indicated on the screen and alarm contact closure is initialed.
- The alarm message is maintained on the screen once the fault clears until it is manually removed.

Controllers

Part No.	Description	List Price
VPL06N	Varplus Logic 6 Step	165,000
VPL12N	Varplus Logic 12 Step	200,000



- An offer unrivalled in content
- Robust and Safe
- Also available for harsh environments
- Simple and fast to install



Emergency STOP pushbuttons - 040, Red, XB5

Type	Part No.	Description	List Price
1 NC	XB4BS8442	latching turn release	8,000

Emergency STOP pushbuttons - 040, XB7

Type	Part No.	Description	List Price
1 NC	XB7ES142P	key release	8,000

Push Button Metal Chromium Plated Circular Bazzel / Flush, Complete

Type	Part No.	Description	List Price
1 NO	XB4BA21	Black	3,000
1 NO	XB4BA31	Green	3,000
1 NO	XB4BA51	Yellow	3,000
1 NO	XB4BA61	Blue	3,000
1 NC	XB4BA42	Red	3,000

Illuminated pushbuttons : complete, spring return, 2.4 W max (bulb not included), XB4

Type	Part No.	Description	List Price
1NO + 1NC	XB4BW3165	White, 250 VDC	7,500
1NO + 1NC	XB4BW3365	Green, 250 VDC	7,500
1NO + 1NC	XB4BW3465	Red, 250 VDC	7,500
1NO + 1NC	XB4BW3565	Orange, 250 VDC	7,500

Booted Push Button Metal Chromium Plated Circular Bazzel / Flush, Complete

Type	Part No.	Description	List Price
1 NO	XB4BP21	Black	6,000
1 NO	XB4BP31	Green	6,000
1 NO	XB4BP42	Red	6,000
1 NO	XB4BP51	Yellow	6,000
1 NC	XB4BP61	Blue	6,000

Pushbuttons plastic circular bezel - Flush, spring return, XB7

Type	Part No.	Description	List Price
1 NO	XB7NA21	Black	1,800
1 NO	XB7NA31	Green	1,800
1 NC	XB7NA42	Red	1,800

Pushbuttons plastic circular bezel - Flush, push to Release, XB7

Type	Part No.	Description	List Price
1 NO	XB7NH21	Black	3,900
1 NO	XB7NH31	Green	3,900
1 NC	XB7NH25	Black	2,500

Pilot Lights with integral LED, XB7

Part No.	Description	List Price
XB7EV03MP	Green, 220 - 240 VAC	1,300
XB7EV04MP	Red, 220 - 240 VAC	1,300
XB7EV05MP	Yellow, 220 - 240 VAC	1,300
XB7EV08MP	Orange, 220 - 240 VAC	1,300
XB7EV06MP	Blue, 220 - 240 VAC	1,300
XB7EV07MP	Clear, 220 - 240 VAC	1,300

Selector switch : Complete, Black, XB4

Type	Part No.	Description	List Price
1 NO	XB4BD21	2-position stay put	4,000
1 NO + 1 NC	XB4BD25	2-position, stay put	5,000
1 NO	XB4BG21	2-position, stay put, Ronis 455 Key	11,000
2 NO	XB4BD33	3-position, stay put	5,000
2 NO	XB4BD53	3-position, spring return	5,500
2 NO	XB4BG33	3-position, stay put, Ronis 455 Key	12,000
2 NO	XB4BJ33	3-position, stay put, long handle	6,000
2 NO	XB4BJ53	3-position, spring return, long handle	6,500

Selector switch : complete, XB7

Type	Part No.	Description	List Price
1 NO	XB7ND21	Sel.Switch, 2 pos. stayput	2,400
1 NO + 1 NC	XB7ND25	Sel.Switch, 2 pos. stayput	3,500
2 NO	XB7ND33	Sel.Switch, 3 pos. stayput	3,200
1 NO	XB7NG21	Key Switch 2 pos. Stayput	5,500
2 NO	XB7NG33	Key Switch 3 pos. Stayput	6,000

Control Stations

- XALD/ XALK: Plastic control stations for Harmony XB5.
- XALE: Optimum control stations, for HarmonyXB7.
- XAW ATEX D: Metal or plastic complete stations for explosive atmospheres.



Type	Part No.	Description	List Price
1 Cut-out	XALD01	General purpose Empty enclosure	3,600
2 Cut-outs	XALD02	General purpose Empty enclosure	4,600

XALD: Plastic control stations for Harmony XB5 with light grey base and dark grey lid

Type	Part No.	Description	List Price
1 N/C	XALK178	1 Trig. Action, Turn to release	8,600.0

TeSys D Contactor**Description**

- AC, DC, low-consumption DC control circuit
- All types of starter: reversing or non-reversing, star/delta, by auto-T/F
- Connectors: spring terminal, EverLink terminal block, screw clamp, ring-type connection, Faston connector.
- Easy & simple direct mounting b/w contactor & CB according to EverLink terminal block (from 40 to 65 A)

**Benefits**

In addition to its new look, the TeSys D contactor offers you quick simple setup, while maintaining a compact size of 45 and 56 mm (40 to 65 A) as well as compliance with international standards. From 40 to 65 A versions are equipped with EverLink. This new patented terminal technology assures a permanent tightening quality even in the event of conductor creep.

3 Pole contactor, 24VAC coil

Type	Part No.	Description	KW / (HP)	List Price
1 N/O + 1 N/C	LC1D09B7	Mag. Contactor TP 9 Amp 4kW, 24VAC	4 / 4	7,000
1 N/O + 1 N/C	LC1D12B7	Mag. Contactor TP 12 Amp 5.5kW, 24VAC	5.5 / 5.5	9,000
1 N/O + 1 N/C	LC1D18B7	Mag. Contactor TP 18 Amp 7.5kW, 24VAC	7.5 / 9	11,000
1 N/O + 1 N/C	LC1D25B7	Mag. Contactor TP 25 Amp 11kW, 24VAC	11 / 11	15,000
1 N/O + 1 N/C	LC1D32B7	Mag. Contactor TP 32 Amp 15kW, 24VAC	15 / 15	21,000

3 Pole contactor, 110VAC coil

Type	Part No.	Description	KW / (HP)	List Price
1 N/O + 1 N/C	LC1D09F7	Mag. Contactor TP 9 Amp 4kW, 110VAC	4 / 4	7,000
1 N/O + 1 N/C	LC1D12F7	Mag. Contactor TP 12 Amp 5.5kW, 110VAC	5.5 / 5.5	9,000
1 N/O + 1 N/C	LC1D18F7	Mag. Contactor TP 18 Amp 7.5kW, 110VAC	7.5 / 9	11,000
1 N/O + 1 N/C	LC1D25F7	Mag. Contactor TP 25 Amp 11kW, 110VAC	11 / 11	15,000
1 N/O + 1 N/C	LC1D32F7	Mag. Contactor TP 32 Amp 15kW, 110VAC	15 / 15	21,000

3 Pole contactor, 220VAC coil

Type	Part No.	Description	KW / (HP)	List Price
1 N/O + 1 N/C	LC1D09M7	Mag. Contactor TP 9 Amp 4kW, 220VAC	4 / 4	5,100
1 N/O + 1 N/C	LC1D12M7	Mag. Contactor TP 12 Amp 5.5kW, 220VAC	5.5 / 5.5	6,000
1 N/O + 1 N/C	LC1D18M7	Mag. Contactor TP 18 Amp 7.5kW, 220VAC	7.5 / 9	8,500
1 N/O + 1 N/C	LC1D25M7	Mag. Contactor TP 25 Amp 11kW, 220VAC	11 / 11	11,900
1 N/O + 1 N/C	LC1D32M7	Mag. Contactor TP 32 Amp 15kW, 220VAC	15 / 15	16,000
1 N/O + 1 N/C	LC1D40AM7	Mag. Contactor TP 40 Amp 18.5kW, 220VAC	18.5 / 22	22,500
1 N/O + 1 N/C	LC1D50AM7	Mag. Contactor TP 50 Amp 22kW, 220VAC	22 / 25	25,500
1 N/O + 1 N/C	LC1D65AM7	Mag. Contactor TP 65 Amp 30kW, 220VAC	30 / 37	34,500
1 N/O + 1 N/C	LC1D80M7	Mag. Contactor TP 80 Amp 37kW, 220VAC	37 / 45	45,500
1 N/O + 1 N/C	LC1D95M7	Mag. Contactor TP 95 Amp 45kW, 220VAC	45 / 45	57,000
1 N/O + 1 N/C	LC1D115M7	Mag. Contactor TP 115 Amp 55kW, 220VAC	55 / 59	66,000
1 N/O + 1 N/C	LC1D150M7	Mag. Contactor TP 150 Amp 75kW, 220VAC	75 / 80	80,000

3 Pole contactor, 24 VDC coil

Type	Part No.	Description	KW / (HP)	List Price
1 N/O + 1 N/C	LC1D09BD	Mag. Contactor TP 9 Amp 4kW, 24VDC	4 / 4	13,200
1 N/O + 1 N/C	LC1D12BD	Mag. Contactor TP 12 Amp 5.5kW, 24VDC	5.5 / 5.5	14,500
1 N/O + 1 N/C	LC1D18BD	Mag. Contactor TP 18 Amp 7.5kW, 24VDC	7.5 / 9	19,000
1 N/O + 1 N/C	LC1D25BD	Mag. Contactor TP 25 Amp 11kW, 24VDC	11 / 11	25,000
1 N/O + 1 N/C	LC1D32BD	Mag. Contactor TP 32 Amp 15kW, 24VDC	15 / 15	34,000
1 N/O + 1 N/C	LC1D40ABD	Mag. Contactor TP 40 Amp 18.5kW, 24VDC	18.5 / 22	85,000
1 N/O + 1 N/C	LC1D50ABD	Mag. Contactor TP 50 Amp 22kW, 24VDC	22 / 25	95,000
1 N/O + 1 N/C	LC1D65ABD	Mag. Contactor TP 65 Amp 30kW, 24VDC	30 / 37	110,000
1 N/O + 1 N/C	LC1D80BD	Mag. Contactor TP 80 Amp 37kW, 24VDC	37 / 45	120,000
1 N/O + 1 N/C	LC1D95BD	Mag. Contactor TP 95 Amp 45kW, 24VDC	45 / 45	130,000

4 Pole contactor, 220VAC coil

Type	Part No.	Description	KW / (HP)	List Price
1 NO + 1 NC	LC1DT25M7	Mag. Contactor FP 25 Amp, 220VAC	5.5 / 7.5	19,000
1 NO + 1 NC	LC1DT40M7	Mag. Contactor FP 40 Amp, 220VAC	11 / 15.	25,000
1 NO + 1 NC	LC1DT60AM7	Mag. Contactor FP 60 Amp, 220VAC	22 / 30	45,000
1 NO + 1 NC	LC1DT80AM7	Mag. Contactor FP 80 Amp, 220VAC	37 / 50	70,000
1 NO + 1 NC	LC1D80004M7	Mag. Contactor FP 125 Amp, 220VAC	75 / 80	85,000

AC Control Relays

Type	Part No.	List Price
5 NO	CAD50M7	7,500
3 NO + 2 NC	CAD32M7	7,000

DC Control Relays

Type	Part No.	List Price
5 NO	CAD50BD	14,000
3 NO + 2 NC	CAD32BD	13,000
2 NO + 2 NC	CAD32FD	13,000

Auxiliary Contact Block

Type	Part No.	List Price
1 NO + 1 NC	LADN11	2,700
2 NO	LADN20	3,000
2 NC	LADN02	3,000
2 NO + 2 NC	LADN22	5,000
1 NO + 3 NC	LADN13	5,500
4 NO	LADN40	5,500
4 NC	LADN04	5,500
3 NO + 1 NC	LADN31	5,500

Time delay auxiliary contact blocks (1 NO + 1 NC)

Type	Part No.	Description	List Price
On Delay	LADT0	0.1 - 3 Sec	15,000
	LADT2	0.1 - 3 Sec	15,000
Off Delay	LADR2	0.1 - 30 Sec	15,000
Star Delta C/O	LA2DS2	0.1 - 30 Sec	19,000

Auxiliary Latch Block

Type	Part No.	Description	List Price
Latch Block	LA6DK10M	LATCH BLK OLD LC1/LP1 D09-D65 240V	30,000
	LA6DK20M	LATCH 240V LC1/LP1 D80-D150 AC	30,000
	LAD6K10M	LATCH BLK LC1 D09-D65A 240V	30,000

Mechanical Interlocks

Part No.	Description	List Price
LAD9R1V	For LC1D09 to D32	11,000
LA9D4002	For LC1D09 to D38	15,000
LAD4CM	for LC1D09-32,for Old Model	9,000
LA9D8002	For LC1D80 - D95	17,000
LA9D11502	For LC1D40A - D65A	21,000

TeSys Giga contactors**Description**

- All AC & DC control voltage 50/400 Hz
- “Power” connection
- Flexibility (options can be added)
- Safety of operation
- Quick, mounting of contactor and GV7-
- Connectors: screws
- AC1 Contactor up to 2100 A

new very compact AC1 offer is used in the following applications:

Wind turbine, UPS panel, Frequency drives and soft starters

- TeSys Giga Contactors to control motors up to 800 A (450 kW / 400V) or switch lines up to 1100A

Benefits

The possibilities of a powerful offer

- TeSys Giga offers very high performance in AC1 and AC3 applications.
- Combined with the LR9 electronic relay or GV7 motor circuit-breaker, AC3 contactors are the ideal starters, offering quick, simple selection as well as shared accessories for greater flexibility.
- TeSys Giga also offers a new dedicated AC1 offer.
- TeSys Giga contactors meet type 2 coordination with our Masterpact and Compact circuit breaker offer

**3 Pole contactor, 220VAC coil**

Type	Part No.	Description	KW / (HP)	List Price
Triple Pole	LC1G115KUEN	Mag. Contactor TP 115 Amp, 220VAC	55 / 59	120,000
	LC1G150KUEN	Mag. Contactor TP 150 Amp, 220VAC	75 / 80	140,000
	LC1G185KUEN	Mag. Contactor TP 185 Amp, 220VAC	90 / 100	155,000
	LC1G225KUEN	Mag. Contactor TP 225 Amp, 220VAC	110 / 110	165,000
	LC1G265KUEN	Mag. Contactor TP 265 Amp, 220VAC	132 / 140	285,000
	LC1G330KUEN	Mag. Contactor TP 330 Amp, 220VAC	160 / 180	315,000
	LC1G400KUEN	Mag. Contactor TP 400 Amp, 220VAC	200 / 220	390,000
	LC1G500KUEN	Mag. Contactor TP 500 Amp, 220VAC	250 / 280	625,000
	LC1G630KUEN	Mag. Contactor TP 630 Amp, 220VAC	335 / 375	750,000
	LC1G800KUEN	Mag. Contactor TP 800 Amp, 220VAC	400 / 425	1,150,000

4 Pole contactor, 220VAC coil

Type	Part No.	Description	KW / (HP)	List Price
Four Pole	LC1G1154KUEN	Mag. Contactor FP 115 Amp, 220VAC	55 / 59	155,000
	LC1G1504KUEN	Mag. Contactor FP 150 Amp, 220VAC	75 / 80	175,000
	LC1G1854KUEN	Mag. Contactor FP 185 Amp, 220VAC	90 / 100	240,000
	LC1G2254KUEN	Mag. Contactor FP 225 Amp, 220VAC	110 / 110	270,000
	LC1G2654KUEN	Mag. Contactor FP 265 Amp, 220VAC	132 / 140	490,000
	LC1G3304KUEN	Mag. Contactor FP 330 Amp, 220VAC	160 / 180	530,000
	LC1G4004KUEN	Mag. Contactor FP 400 Amp, 220VAC	200 / 220	720,000
	LC1G5004KUEN	Mag. Contactor FP 500 Amp, 220VAC	250 / 280	1,150,000
	LC1G6304KUEN	Mag. Contactor FP 630 Amp, 220VAC	335 / 375	1,350,000

Electronic thermal overload relay, TeSys Giga, class 5E-30E, push-in control connection

Electronic thermal overload relay
TeSys Giga, class 5E-30E,
push-in control connection



Part No.	Setting Range Amps	Contactor	List Price
LR9G115	Electronic thermal O/L 28 ~ 115A	LC1G115	140,000
LR9G225	Electronic thermal O/L 57 ~ 225A	LC1G225	150,000
LR9G500	Electronic thermal O/L 125 ~ 500A	LC1G500	190,000
LR9G630	Electronic thermal O/L 160 ~ 630A	LC1G630	385,000
OTHERS			On Request

Magnetic Latch Block (Manual or electric un-latching) 220 / 240V. 50 / 60HZ

Part No.	Description	List Price
LA6DK10M	for LC1/LP1D09-D65	30,000
LA6DK20M	for LC1/LP180-D150	30,000

Auxiliary contact block, TeSys Deca / TeSys Giga

Part No.	Description	List Price
LAD8N02	2NC, side mounting	6,000
LAG8N113	1NO+1NC, side mounting for LC1G	7,000
LAG8N113P	1NO + 1NC lateral Face mounting, LC1G	7,000
LAG8N203	2NO, side mounting for LC1G	7,500
LAG8N203P	2NO, lateral Face mounting, LC1G	7,500

Mechanical Interlocks

Part No.	Description	List Price
LA9FF970	Mechanical Interlock F115-150A	10,000
LA9FG970	Mechanical Interlock F185-225A	10,000
LA9FJ970	Mechanical Interlock F265-500A	15,000
LA9FL970	Mechanical Interlock F630A	23,000
LA9G970	Mechanical Interlock LC1G115~500A	On Request
LA9G972	Mechanical Interlock LC1G630~800A	On Request

GV2 Series Motor Protection Circuit Breakers**Description**

- Manual and local control, when the motor circuit-breaker is used On its own, and automatic and remote control when combined with a contactor
- Motor protection provided by thermal-magnetic devices built into the Circuit-breaker
- No live parts are accessible to direct finger contact
- The addition of a shunt trip enables remote control of tripping
- Connectors: spring terminal, screw clamp
- The addition of an under voltage trip enables the motor circuit-breaker to be tripped if voltage is lost
- The control for the open or enclosed motor circuit-breaker can be locked in the "N/C" position using 3 padlocks

**GV2ME with pushbutton control from 0.06 to 15KW/400V, screw clamp terminals**

Part No.	Icu At 415V	Ics At 220V	Thermal Trip	Magnetic Trip ID+/- 20%	List Price
GV2ME01	>100KA	>100KA	0.1~0.16A	1.5A	18,000
GV2ME02	>100KA	>100KA	0.16~0.25A	2.4A	18,000
GV2ME03	>100KA	>100KA	0.25~0.40A	5.0A	16,000
GV2ME04	>100KA	>100KA	0.40~0.63A	8.0A	16,000
GV2ME05	>100KA	>100KA	0.63~1.0A	13A	14,500
GV2ME06	>100KA	>100KA	1.0~1.6A	22.5A	14,500
GV2ME07	>100KA	>100KA	1.6~2.5A	33.5 A	14,500
GV2ME08	>100KA	>100KA	2.5~4.0A	51 A	14,500
GV2ME10	>100KA	>100KA	4.0~6.3A	78A	14,500
GV2ME14	>100KA	>100KA	6.0~10A	138A	16,000
GV2ME16	>15KA	>7.5KA	9.0~14A	170A	16,000
GV2ME20	>15KA	>7.5KA	13~18A	223A	16,000
GV2ME21	>15KA	>6.0KA	17~23A	327A	16,000
GV2ME22	>15KA	>6.0KA	20~25A	327A	17,000
GV2ME32	>10KA	>50KA	24~32A	416A	22,000

GV2P control with rotary knob from 0.06 to 15KW/400V, screw clamp terminals

Part No.	Icu At 415V	Ics At 220V	Thermal Trip	Magnetic Trip ID+/- 20%	List Price
GV2P16	>100KA	>100KA	9.0~14A	170A	23,000
GV2P20	>100KA	>100KA	13~18A	223A	23,000
GV2P21	>100KA	>100KA	17~23A	327A	25,000
GV2P22	>100KA	>100KA	20~25A	327A	25,000
GV3P40	>100KA	>100KA	24~32A	416A	41,000
GV3P50	>100KA	>100KA	30~40A	560A	45,000
GV3P65	>100KA	>100KA	48~65A	910A	45,000
GV3ME80	>100KA	>100KA	62~73A	1040A	120,000
GV3P80	>50KA	>65KA	70~80A	1120A	120,000

Auxiliary contacts

Part No.	Description	List Price
GVAE11	Aux. Switch (Front)	1,600
GVAN11	Aux. Switch (Side)	3,500
GVAN20	Aux. Switch (Side)	4,000
GVAE20	GV2 & GV3 - aux contact - 2 NO	1,800
GVAD1010	GV2 & GV3 - aux contact - 1 NO + 1	5,500
GVAD0110	GV2 & GV3 - aux contact - 1 NO + 1	5,500
GVAM11	GV - short circuit signaling	5,500
GV2MC01	GV IP41 enclosure	5,500
GV2MC02	GV IP55 enclosure	8,500
GV2AP01	EXTERNAL OPERATOR	40,000
GV2APK01	KIT HANDLE GV2 BLACK IP54 W/O TRIP	20,000

Description

- Manual and automatic reset
- Sealable flap
- Prewiring kit
- Terminal block for separate mounting
- Remote electrical reset
- Can be combined with TeSys model d contactors in a 45 mm wide space upto 18.5 kW, 55 mm from 15 to 30 kW
- Connectors: spring terminal, screw clamp, terminal block EverLink (LRD3)
- Class 10 A & class 20.

Benefit

Safe and effective protection

With its integrated manual-automatic reset and simple installation in screw clamp terminals, by spring terminal, by ring terminals and by EverLink terminals version, model LRD thermal overload relays are very reliable and cover the whole range of motor ratings up to 150 A. They can be combined with TeSys d contactors to form an extremely compact starter.

Application

Industry, infrastructure, building, etc.:

- Standard motor protection
- Line protection
- Protection: motor overload, stalling, loss of phase

3 Pole Differential thermal overload relays



Part No.	Setting Range Amps	Contactor	List Price
LRD01	0.10 ~ 0.16A	D09 - D38	8,200
LRD02	0.16 ~ 0.25A	D09 - D38	8,200
LRD03	0.25 ~ 0.40A	D09 - D38	8,200
LRD04	0.40 ~ 0.63A	D09 - D38	8,200
LRD05	0.63 ~ 1.0A	D09 - D32	7,100
LRD06	1.0 ~ 1.6A	D09 - D32	7,100
LRD07	1.6 ~ 2.5A	D09 - D32	7,100
LRD08	2.5 ~ 4.0A	D09 - D32	7,100
LRD10	4.0 ~ 6.0A	D09 - D32	7,100
LRD12	5.5 ~ 8.0A	D09 - D32	7,100
LRD14	7.0 ~ 10A	D09 - D32	7,100
LRD16	9.0 ~ 13A	D09 - D32	7,100
LRD21	12 ~ 18A	D09 - D32	8,500
LRD22	16 ~ 24A	D09 - D32	8,500
LRD32	23 ~ 32A	D09 - D32	13,000
LRD35	30 ~ 38A	D32 - D40	13,000

LRD340	30 - 40A	D40A - D65A	26,000
LRD350	37 - 50A	D40A - D65A	30,000
LRD365	48 - 65A	D50A - D65A	33,000
LRD3353	23-32A	D80 - D95	33,000
LRD3355	30-40A	D80 - D95	33,000
LRD3357	37-50A	D80 - D95	33,000
LRD3359	48-65A	D80 - D95	33,000
LRD3361	55-70A	D80 - D95	33,000
LRD3363	63-80A	D80 - D95	38,000
LRD3365	80-104A	D115 - D150	38,000
LRD4365	80 - 104A	D115 - D150	50,000
LRD4367	95 - 120A	D150	60,000
LRD4369	110 - 140A	D150	60,000

Separate components for Relays

Part No.	Contactor	List Price
LA7D3064	RELAY TERMINAL BLOCK	15,000

Compensated and Differential Overload relays, class 10

Part No.	Setting Range Amps	Contactor	List Price
LR9F5367	30 ... 50A	F115 ... F185	100,000
LR9F5369	48 ... 80A	F115 ... F185	100,000
LR9F5371	60 ... 100A	F115 ... F185	100,000
LR9F7375	90 ... 150A	F115 ... F185	150,000
LR9F7379	132 ... 220A	F185 ... F400	210,000
LR9F7381	200 ... 330A	F225 ... F500	210,000

Electronics Over Current Relays (EOCR)

product specific application Overcurrent protection

Overload, $I_n > OC$ setting

Sensitivity to phase loss

Sensitivity to phase reverse

Locked rotor, $I_n > 3$ times OC setting

Part No	Specifications	List Price
LT4706M7S	ELECT O/C RELAY 0.5~6A 220VAC MANU RST	16,500
LT4760M7S	ELECT O/C RELAY 5~60A 240VA MANU RST	16,500
LT4730M7S	ELECTR. RELAY 3 A 30A 220V AC MAN. R	16,500
EOCRSS-05S	EOCR-SS 05 24 240V Standard	15,000
EOCRSS-60S	EOCR-SS 60 24 240V Standard	15,000

EasyPact TVS Series contactor**Description**

- AC, DC, low-consumption DC control circuit
- All types of starter: reversing or non-reversing, star/delta, by auto-transformer
- Connectors: spring terminal, EverLink terminal block, screw clamp, ring-type connection, Faston connector.
- Easy and simple direct mounting between contactor and circuit breaker according to EverLink terminal block (from 40 to 65 A)

**3 Pole contactor, 220VAC coil**

Type	Part No.	Description	KW / (HP)	List Price
1 N/O + 1 N/C	LC1N0910M7N	Mag. Contactor TP 9 Amp 4kW, 220VAC	4 / 4	3,900
1 N/O + 1 N/C	LC1N1210M7N	Mag. Contactor TP 12 Amp 5.5kW, 220VAC	5.5 / 5.5	5,000
1 N/O + 1 N/C	LC1N1810M7N	Mag. Contactor TP 18 Amp 7.5kW, 220VAC	7.5 / 9	6,200
1 N/O + 1 N/C	LC1N2510M7N	Mag. Contactor TP 25 Amp 11kW, 220VAC	11 / 11	8,800
1 N/O + 1 N/C	LC1N3210M7N	Mag. Contactor TP 32 Amp 15kW, 220VAC	15 / 15	11,900
1 N/O + 1 N/C	LC1E40M7	Mag. Contactor TP 40 Amp 18.5KW, 220VAC	18.5 / 22	17,000
1 N/O + 1 N/C	LC1E50M7	Mag. Contactor TP 50 Amp 22KW, 220VAC	22 / 25	19,000
1 N/O + 1 N/C	LC1E65M7	Mag. Contactor TP 65 Amp 30KW, 220VAC	30 / 37	24,000
1 N/O + 1 N/C	LC1E80M7	Mag. Contactor TP 80 Amp 37KW, 220VAC	37 / 45	32,000
1 N/O + 1 N/C	LC1E95M7	Mag. Contactor TP 95 Amp 45KW, 220VAC	45 / 45	42,000
1 N/O + 1 N/C	LC1E120M5	Mag. Contactor TP 120 Amp 55KW, 220VAC	55 / 59	55,000
1 N/O + 1 N/C	LC1E160M5	Mag. Contactor TP 160 Amp 90KW, 220VAC	90 / 80	80,000
1 N/O + 1 N/C	LC1E200M5	Mag. Contactor TP 200 Amp 110KW, 220VAC	100 / 110	120,000
1 N/O + 1 N/C	LC1E250M5	Mag. Contactor TP 250 Amp 132KW, 220VAC	132 / 140	150,000
1 N/O + 1 N/C	LC1E300M5	Mag. Contactor TP 300 Amp 160KW, 220VAC	160 / 180	190,000
1 N/O + 1 N/C	LC1E400M7	Mag. Contactor TP 400 Amp 200KW, 220VAC	200 / 220	250,000
1 N/O + 1 N/C	LC1E500M7	Mag. Contactor TP 500 Amp 250KW, 220VAC	250 / 280	450,000
1 N/O + 1 N/C	LC1E630M7	Mag. Contactor TP 630 Amp 335kW, 220VAC	335 / 375	600,000

Auxiliary Contact Block

Type	Part No.	List Price
1 NO + 1 NC	LAEN02	2,500
2NC	LAEN11	2,500
2 NO	LAEN20	2,500
2 NO + 2 NC	LAEN22	4,500
LAETSD	LAETSD	14,000

Mechanical Interlocks for EasyPact TVS

Part No.	Description	List Price
LAEM1	Mechanical Interlock EasyPact TVS 6 65	3,000
LAEM4	Mechanical Interlock EasyPact TVS 80 95	19,000
LAEM5	Mechanical Interlock EasyPact TVS 120	22,000
LAEM6	Mechanical Interlock EasyPact TVS 200	29,000
LAEM7	Mechanical Interlock EasyPact TVS 300	40,000

Terminal block for EasyPact TVS

Part No.	Description	List Price
LAEB1	Terminal block for EasyPact TVS LRE01	4,000
LAEB3	Terminal block for EasyPact TVS LRE322	9,500

EasyPact TVS Series Magnetic Motor Circuit Breaker

- Manual and local control, when the motor circuit-breaker is used On its own, and automatic and remote control when combined with
- Motor protection provided by thermal-magnetic devices built into the Circuit-breaker
- No live parts are accessible to direct finger contact
- under voltage trip enables the motor CB to be tripped if voltage is lost
- The addition of a shunt trip enables remote control of tripping

**EasyPact TVS Thermal Magnetic Motor Circuit Breaker**

Part No.	Icu At 415V	Ics At 220V	Thermal Trip	Magnetic Trip ID+/- 20%	List Price
GZ1E01	>100KA	>100KA	0.1...0.16A	1.5A	15,000
GZ1E02	>100KA	>100KA	0.16...0.25A	2.4A	15,000
GZ1E03	>100KA	>100KA	0.25...0.4A	5A	12,000
GZ1E04	>100KA	>100KA	0.4-0...63A	8A	12,000
GZ1E05	>100KA	>100KA	0.63...1A	13A	12,000
GZ1E06	>100KA	>100KA	1.0...1.6A	22.5A	12,000
GZ1E07	>100KA	>100KA	1.6...2.5A	33.5A	12,000
GZ1E08	>100KA	>100KA	2.5...4.0A	51A	12,000
GZ1E10	>100KA	>100KA	4.0...6.3A	78A	12,000
GZ1E14	>100KA	>100KA	6.0...10A	138A	14,000
GZ1E16	>100KA	>100KA	9.0...14A	170A	14,000
GZ1E20	>100KA	>100KA	13...18A	223A	12,000
GZ1E21	>10KA	>30KA	17...23A	327A	12,000
GZ1E22	>10KA	>30KA	20...25A	327A	14,000
GZ1E32	>10KA	>30KA	24...32A	416	17,000

Auxiliary contacts for EasyPact TVS Magnetic Motor Circuit Breaker

NO + NC	GZ1AN11	Side Mounting Auxiliary for GZ 1NO+1NC	3,000
NO + NO	GZ1AN20	Side Mounting Auxiliary for GZ 2NO+0NC	3,000

EasyPact TVS Thermal Overload Relay

- Manual and automatic reset
- Sealable flap
- Prewiring kit
- Terminal block for separate mounting
- Remote electrical reset
- Can be combined with TeSys model d contactors in a 45 mm



3 Pole Differential thermal overload relays

Part No.	Setting Range Amps	Contactor	List Price
LRE01	0.10 ~ 0.16A	N09 - N32	6,000
LRE02	0.16 ~ 0.25A	N09 - N32	6,000
LRE03	0.25 ~ 0.40A	N09 - N32	6,000
LRE04	0.40 ~ 0.63A	N09 - N32	6,000
LRE05	0.63 ~ 1.0A	N09 - N32	6,000
LRE06	1.0 ~ 1.6A	N09 - N32	6,000
LRE07	1.6 ~ 2.5A	N09 - N32	6,000
LRE08	2.5 ~ 4.0A	N09 - N32	6,000
LRE10	4.0 ~ 6.0A	N09 - N32	6,000
LRE12	5.5 ~ 8.0A	N09 - N32	6,000
LRE14	7.0 ~ 10A	N09 - N32	6,000
LRE16	9.0 ~ 13A	N09 - N32	6,000
LRE21	12 ~ 18A	N09 - N32	7,000
LRE22	16 ~ 24A	N09 - N32	7,000
LRE32	23 ~ 32A	N09 - N32	10,000
LRE35	30 ~ 38A	N32 - E40	10,000

LRE322	17 ~ 25A	N18 - N25	17,000
LRE353	23 ~ 32A	N25 - N32	22,000
LRE355	30 ~ 40A	N32 - E40	22,000
LRE357	37 ~ 50A	E40 - E50	25,000
LRE359	48 ~ 65A	E50 - E65	25,000
LRE361	55 ~ 70A	E65 - E70	25,000
LRE363	63 ~ 80A	E65 - E80	30,000
LRE365	80 ~ 104A	E80 - E120	30,000
LRE480	58 ~ 81A	E65 - E80	35,000
LRE481	62 ~ 99A	E65 - E100	38,000
LRE482	84 ~ 135A	E80 - E160	38,000
LRE483	124 ~ 198A	E120 - E200	65,000
LRE484	146 ~ 234A	E160 - E240	65,000
LRE485	174 ~ 279A	E200 - E300	80,000
LRE486	208 ~ 333A	E260 - E400	80,000
LRE487	259 ~ 414A	E260 - E500	80,000
LRE488	321 ~ 513A	E400 - E500	80,000
LRE489	394 ~ 630A	E400 - E630	80,000

Zelio Time

- Multifunction
- Relay or solid state output
- Wide voltage range from 24 to 240 V
- Single timing range or multi-range from 50 ms to 300 hrs
- Conformity to IEC 61812-1, EN 61812-1 standards



Part No.	Description	Timing Range	List Price
RE17RAMU	Timer 24-240 V AC/DC, on-delay, 1 C/O	1Sec ~100 h	11,000
RE22R1QCMU	Timer 24-240 V AC, star/delta Qc, 1 C/O	0.05Sec ~ 300s	15,000

Zelio Control

- Phase control relay
- Voltage & current control relays
- Frequency control relay
- Level control relay
- Pump control relay
- Speed control relay



Part No.	Description	List Price
RM22TR33	3 PHASE VOLTAGE CONTROL RELAY RM22-TR -	23,000
RM35TF30	Phase control relay, multifunction	21,000
RM17TE00	Phase loss and sequence Asymetry Over a	18,000
RSL1PVB	Slým relay with socket, 1C/O,24VAC/DC	4,000
RSL1PVP	Slým relay with socket, 1C/O,230VAC/DC	4,000

Description

The RXM miniature relay range comprises:

- 12 A relays with 2 C/O contacts, 10 A relays with 3 C/O contacts, 6 A relays with 4 C/O contacts and 3 A “low level” relays with 4 C/O contacts. All these relays have the same dimensions.
- Sockets with mixed or separate contact terminals.
- Protection modules (diode, RC circuit or varistor).

All these modules are common to all sockets.

- A metal maintaining clamp for all sockets.
- A plastic maintaining clamp for all sockets.
- A 2-pole bus jumper that can be used on sockets with separate contact terminals in order to simplify cabling when creating an equipotential link between the coil terminals.

**RXMA - Miniature Relays**

Type	Part No.	Description	List Price
2 C/O 8 Pin	RXM2AB2BD	Miniature Relay 8-PIN 12A, 24VDC	2,200
	RXM2AB2B7	Miniature Relay 8-PIN 12A, 24VAC	2,200
	RXM2AB2F7	Miniature Relay 8-PIN 12A, 120VAC	2,200
	RXM2AB2P7	Miniature Relay 8-PIN 12A, 230VAC	2,200
4 C/O 14 Pin	RXM4AB2JD	Miniature Relay 14-PIN 6A, 12 VDC	2,500
	RXM4AB2BD	Miniature Relay 14-PIN 6A, 24VDC	2,500
	RXM4AB2ED	Miniature Relay 14-PIN 6A, 48VDC	2,500
	RXM4AB2FD	Miniature Relay 14-PIN 6A, 110VDC	2,500
	RXM4AB2B7	Miniature Relay 14-PIN 6A, 24VAC	2,500
	RXM4AB2E7	Miniature Relay 14-PIN 6A, 48VAC	2,500
	RXM4AB2F7	Miniature Relay 14-PIN 6A, 120VAC	2,500
	RXM4AB2P7	Miniature Relay 14-PIN 6A, 230VAC	2,500

RXMA - Socket For Miniature Relays

Type	Part No.	Description	List Price
8 Pin	RXZE2S108M	Sep. screw connector for RXM 2 range	1,500
14 Pin	RXZE2M114M	Mixed, screw connector for RXM2/4 range	1,500

Compact range for light to medium duty applications

- European standard products (EN50047) have positive opening contacts,
- Even in snap action versions which allow use in safety applications
- XCKP/T/D variable composition ranges offer the advantages of a metal head, high
- Performance and world wide availability through distribution
- XCKN monolithic plastic version is dedicated to repetitive machines
- Classic range Historical Telemecanique formats very popular worldwide
- XCKM (3 cable entries) and XCKL (1 cable entry) are a good and improved choice for multipurpose medium duty metal body products
- XCKS Plastic format (EN50041)



Part No.	Description	List Price
XCKJ10511	Rotary Head, Thermoplastic Roller lever	25,000
XCKJ10541	Rotary Head, Thermoplastic Roller lever, variable length	25,000
XSAV11373	INDUCTIVE SENSOR M30 Sn10mm-ROTATION-2m	45,000
XSAV11801	INDUCTIVE SENSOR M30 Sn10mm-ROTATION-2m	45,000
XSAV12373	INDUCTIVE SENSOR M30 Sn10mm-ROTATION-2m	45,000

Altistart 22

Soft starter for pump and fan from 4 kW to 400 kW
 Designed for infrastructure and industrial applications,
 3-phase asynchronous motors
 Save time on wiring (6 terminals instead of 12)
 Optimises the size of your enclosures (very compact product)
 Minimizes the temperature rises (low heat dissipation)
 Reduces the number of components to manage (multifunction product)
 Protects your installations



Bypass and safety functions

Protection devices for monitoring the motor, the electrical installation and the starter itself

Simple setup and operation with:

- 4 light emitting diodes (LEDs)
- 4 navigation keys
- 4-digit display

7.5 to 630kW motor, 230...415 V - 50/60Hz, 220 V control power supply

Part No.	Description	List Price
ATS22D17Q	17 A / 7.5 kW	225,000
ATS22D32Q	22 A / 11 kW	250,000
ATS22D47Q	47 A / 22 kW	305,000
ATS22D62Q	62 A / 30 kW	350,000
ATS22D75Q	75 A / 37 kW	395,000
ATS22D88Q	88 A / 45 kW	455,000
ATS22C11Q	110 A / 55 kW	525,000
ATS22C14Q	140 A / 75 kW	605,000
ATS22C17Q	170 A / 90 kW	695,000
ATS48C21Q	210 A / 110 kW	995,000
ATS48C25Q	250 A / 132 kW	1,130,000
ATS48C32Q	320 A / 160 kW	1,290,000
ATS48C41Q	410 A / 220 kW	1,680,000
ATS48C48Q	480 A / 250 kW	2,190,000

Altivar320

Particularly suitable for applications involving industrial machines, the Easy Altivar 320 variable speed drive is a frequency inverter for three-phase 0.75 to 7.5kW motor, 230...415 V - 50/60Hz, 220 V control power supply



0.75 to 7.5kW motor, 230...415 V - 50/60Hz, 220 V control power supply

Part No.	Description	List Price
ATV320U07N4C	ATV320-0,75 kW-380V-3PH-COMPACT	130,000
ATV320U15N4C	ATV320-1,5 kW-380V-3PH-COMPACT	160,000
ATV320U22N4C	ATV320-2,2 kW-380V-3PH-COMPACT	180,000
ATV320U40N4C	ATV320-4 kW-380V-3PH-COMPACT	225,000
ATV320U55N4B	ATV320-5,5 kW-380V-3PH-BOOK	275,000
ATV320U75N4B	ATV320-7,5 kW-380V-3PH-BOOK	315,000

Altivar610

IP 20 frequency inverter for three-phase asynchronous motors, specially designed for pump and fan applications in the following market segments: Water & Wastewater, Oil & Gas, building management and energy plant. 11 to 160kW motor, 230...415 V - 50/60Hz, 220 V control power supply



11 to 160kW motor, 230...415 V - 50/60Hz, 220 V control power supply

Part No.	Description	List Price
ATV610D11N4	ATV610, VSD IP20 11kW, 380/415V	470,000
ATV610D15N4	ATV610, VSD IP20 15kW, 380/415V	570,000
ATV610D18N4	ATV610, VSD IP20 18.5kW, 380/415V	670,000
ATV610D22N4	ATV610, VSD IP20 22kW, 380/415V	800,000
ATV610D30N4	ATV610, VSD IP20 30kW, 380/415V	920,000
ATV610D37N4	ATV610, VSD IP20 37kW, 380/415V	1,080,000
ATV610D45N4	ATV610, VSD IP20 45kW, 380/415V	1,290,000
ATV610D55N4	ATV610, VSD IP20 55kW, 380/415V	1,670,000
ATV610D75N4	ATV610, VSD IP20 75kW, 380/415V	1,980,000
ATV610D90N4	ATV610, VSD IP20 90kW, 380/415V	2,270,000
ATV610C11N4	ATV610, VSD IP20 110kW, 380/415V	2,560,000
ATV610C13N4	ATV610, VSD IP20 132kW, 380/415V	2,720,000
ATV610C16N4	ATV610, VSD IP20 160kW, 380/415V	3,120,000

Industrial plugs and sockets

Fully compliant with IEC 60309 standard, PratiKa industrial plugs and sockets expertly combine high performance with ease of installation and practicality

Ideal for locations requiring weatherproof equipment, PratiKa industrial plugs provide installers with a simple and tool-free connection method.



Part No.	Description	List Price
PKE16M423	PrtKa 2P+E 16A 200-250V Wander Plug IP44	1,900
PKF16W423	PrtKa 2P+E 16A 200-250V Ang Wall Socket IP44	3,700
PKF16F423	PrtKa 2P+E 16A 200-250V Ang Panel Socket IP44	2,800
PKE32M423	PrtKa 2P+E 32A 200-250V Ang Wall Plug IP44	3,500
PKF32W423	PrtKa 2P+E 32A 200-250V Ang Wall Socket IP44	7,000
PKF32F423	PrtK 2P+E 32A 200-250V Ang Panel Socket IP44	4,800
PKE32M435	PrtKa 3P+E+N 32A 380-415V Ang Wall Plug IP44	4,400
PKF32W435	PrtKa 3P+E+N 32A 380-415V Ang Wall Socket IP44	8,800
PKF32F435	PrtK 3P+E+N 32A 380-415V Ang Panel Socket IP44	6,000
81383	PrtKa 3P+E+N 63A 380-415V Wndr Plug IP67	19,900
81183	PrtKa 3P+E+N 63A 380-415V Ang Wall Socket IP67	30,800
81283	PrtK 3P+E+N 63A 380-415V Ang Panel Socket. IP67	18,300
PKE16M435	PrtKa 3P+E+N 16A 380-415V Wander Plug IP44	2,900
PKF16W435	PrtKa 3P+E+N 16A 380-415V Ang Wall Socket IP44	4,900
PKF16F435	PrtKa 3P+E+N 16A 380-415V Ang Panel Socket IP44	3,400

Thorsman Voltage Detector & Digital Meters

Thorsman, now Schneider Electric, is a brand synonymous with quality which offers a comprehensive range of installation materials including fixings, hand tools, power tool accessories, cable fixings, foams, adhesives, site lighting and power products.



Part No.	Description	List Price
IMT23109	Thorsman Voltage Detector Pen	5,000
IMT23112	Compact Digital Multimeter, CAT III	8,000
IMT23114	Digital Clamp Meter Wave 1	20,000
IMT23222	Digital Multimeter Cat III 600V	17,500



Weidmüller

The Interface Partner



Safety First



Klippon® Connect terminal blocks

Part No	Product Code	Description	List Price
1485790000	SAKDU 2.5N	Feed Through Terminal ,Screw Connection , 2.5mm ²	250
1485800000	SAKDU 4N	Feed Through Terminal ,Screw Connection , 4mm ²	350
1124220000	SAKDU 6	Feed Through Terminal ,Screw Connection , 6mm ²	450
1124230000	SAKDU 10	Feed Through Terminal ,Screw Connection , 10mm ²	550
1129450000	SAKEW 35	END Bracket	250
1129460000	SAKAP 2.5-4	END Cover	120
1129470000	SAKAP 6-10	END Cover	120
1255770000	SAKSI 4	Fuse Block Terminal 4mm ²	600



Switch-mode power supply units

Part No	Type	Description	Input	Output Volt/Power	List Price
1469470000	PRO ECO 72W 24V 3A	Switch Mode Power Supply 3 Amp	100-240VAC	22...28 VDC/96 W	25,000
1469480000	PRO ECO 120W 24V 5A	Switch Mode Power Supply 5 Amp	100-240VAC	22...28 VDC/120 W	35,000
1469490000	PRO ECO 240W 24V 10A	Switch Mode Power Supply 10 Amp	100-240VAC	22...28 VDC/240 W	70,000
1469510000	PRO ECO 480W 24V 20A	Switch Mode Power Supply 20 Amp	100-240VAC	22...28 VDC/480 W	125,000
1469520000	PRO ECO 960W 24V 40A	Switch Mode Power Supply 40 Amp	100-240VAC	22...28 VDC/960 W	190,000



Surge Protection

- For nominal voltages 120V to 600V
- Discharges up to 40kA (8/20μs)
- 1, 2 and 3 phase configurations
- UL1449 Edition 3 approved • Integral thermal disconnects
- Pluggable replaceable SPD elements • Local and remote SPD status indication

Part No	Model	Description	Energy Coordination	List Price
2591080000	VPU AC II 3+1 300/50	Low Voltage Surge Protection 40KA 4 Pole	Type II, Type III	45,000
2063080000	VPU I 3+1 280V/25KA	Low Voltage Surge Protection 100KA 4 Pole	Type I, Type II, Type III	145,000



TERMSERIES

It doesn't matter what your needs are:

the new TERMSERIES relay modules and solid-state relays are compelling as a product solution for all signal processing applications

Let's connect.

Part No	Model	Description	List Price
1984540000	TRS 24VDC 1CO AGSNO	Relay module24 V DC 6 A, Screw connection	3,500



RIDERSERIES - Industrial relay modules

The ideal relay version for the separation of input and output signals in industrial automation. High powers can be safely switched with the RIDERSERIES.

Conventional relays and LED indicators are simply plugged in, retaining and disassembly clips provide a secure fixing

Part No	Model	Description	List Price
8921120000	RCMKITP-I 24VDC 4CO LD	RCM Relay with Base ,4 CO 24 V DC, 6 A, PUSH IN	3,600

Making Life Easier...



HIOKI



Digital Clamp Meters



Model	Description	Core Jaw Di:	List Price
3280-10F	Mean Value AC Clamp Meter 1000 Amp/600 Volts	φ 33 mm (1.30 in)	32,500.00
CM3289	True RMS rectifying AC Clamp Meter 1000A AC /600Volts	φ 33 mm (1.30 in)	50,500.00
3288-20	Mean Value AC/DC Clamp Meter 1000 Amp/600 Volts	φ 35 mm (1.38 in)	105,000.00
CM3291	True RMS AC Clamp Meter Slim Jaw 2000 Amp/1000 Volts	φ 46 mm (1.81 in)	70,000.00
CM4141-50	True RMS AC Clamp Meter Slim Jaw 2000 Amp/1000 Volts	φ55 mm (2.17 in)	120,000.00
CM4375-50	1000A AC/DC Clamp Meter True RMS clamp meter IP54 dustproof and waterproof	φ34 mm (1.34 in)	220,000.00
CM4373-50	2000A True RMS clamp meter that features stronger jaws, broader -25°C to 65°C operating temperature range and IP54 dustproof and waterproof enclosure	φ55 mm (2.17 in)	190,000.00
3293-50	1mA to 1000A AC Leakage to Load Current Clamp Meter	φ 24 mm (0.94 in)	95,000.00
CM3286-50	AC Clamp Power Meter Single & Three Phase measures Voltage, Current, Voltage/ current peak, Active/ reactive/ apparent power, Power factor, Phase angle *1, Frequency, Simple Active Energy Consumption (Single-phase) [CM3286-01 only*2] Voltage/ current harmonic levels	φ 46 mm (1.81 in)	275,000.00
FT6380-50	Lightweight Ground Resistance Tester w	φ 32 mm (1.26 in)	495,000.00



Digital Multimeters

Model	Description	Special Measuring Feature	List Price
DT4252	Standard Digital Multimeter General Purpose Safe & Reliable, Measure up to 10A with direct input, True RMS, crest factor 3, 40 Hz to 1 kHz	10A/ 600. mV-1000 VDC/6.00 1000 VAC	65,000.00
DT4256	Multi-functional model, with 10 A direct input, Auto Detect AC/DC Voltage, 10-1000 Amp True RMS, crest factor 3, 40 Hz to 1 kHz AC Current range (use with Clamp on probes)	10A/ 600. mV-1000 VDC/6.00 1000 VAC	75,000.00
DT4253	Digital Multimeter HVAC testing, with $\pm 0.5\%$ DC V accuracy, temperature and clamp sensor testing, and wide 40 Hz to 1kHz bandwidth	DC Current : 60.00 μ A to 60.00 mA, 4 ranges, Basic accuracy: $\pm 0.8\%$ rdg. ± 5 dgt	100,000.00
DT4281	Top-of-the-line Multimeter high-precision 60000 count digital multimeter with all of the functions and features required for advanced testing in complex power and electrical applications.	Voltage 60.00 mv to 1000.0 Volt AC/DC Current : 10.0 A- 1000 A	170,000.00
DT4282	High Precision Digital Multimeter 60,000 count digital multimeter with direct 10A input and all of the functions and features required for advanced testing in laboratories and R&D.	Voltage 60.00 mv to 1000.0 Volt AC/DC Current : 10.0 A- 1000 A	200,000.00

Useful Hioki FMIs

	Model	Description	List Price
	FT3700-20	Non-contact Infrared Thermometer - Sharply Focus on Measurement Spots with Two-Beam Laser Marker, Ideal for HVAC Applications -60.0 to 550.0 °C (-76 to 1022 °F), 0.1 °C resolution	55,000.00
	3246-60	Pencil Hi Tester for General Electrical Maintenance, Testing and Hobbyists 419.9 mV to 600 V, 5 ranges, Basic accuracy: ±1.3 % rdg. ±4 dgt.	40,000.00
	3244-60	Card-style Pocket Digital Multimeter for General Electrical Maintenance and Testing 419.9 mV to 500 V, 5 ranges, Basic accuracy: ±0.7 % rdg. ±4 dgt.	25,000.00
	LR5001	Record Temperature and Humidity Simultaneously with Dual-Channel Data Logge Temperature: -40.0 to 85.0 °C, Humidity: 0 to 100 % rh *at sensor environment	80,000.00
	FT3432	Sound Level Meter for Convenient Measurement of Sound Levels from Electrical Equipment and Machinery Frequency Range 20 Hz to 8000 Hz	800,000.00
	FT3424	Lux Meter with Broad Coverage from Low to High Illuminance	270,000.00
	LR8514	Wireless Temperature and Humidity Data Logger for Managing Production Plants and Agricultural Sites	165,000.00
	3481-20	pen-style, non-metallic contact voltage detector with a bright LED light that promotes safety and work efficiency even in dim worksites. When voltage is detected, the LED lights red along with an audio signal	13,000.00
	PD3129-10	A Non-Contact Phase Rotation Meter that detects the phase of electrical current flow within insulated wires without using metallic contact voltage clips. The green arrow indicates normal phase, which can be useful for visual reports that document the proper completion of electrical work.	95,000.00
	PD3259-50	Digital Phase Detector lets you to measure three-phase voltage and detect phase sequence simultaneously by just clipping onto covered cables, ensuring absolutely no contact with metal parts for maximum safety	475,000.00

Insulation & Earth Testers ,Tacho Meters

	Model	Description	List Price
	IR4056-20	5-range, 50V to 1000V digital insulation resistance tester with efficient functions and features to help shorten work time associated with field insulation testing.	125,000.00
	IR4057-50	All features of IR4056-20 but additionally built in Bluetooth(R) wireless technology	190,000.00
	IR4053-10	Digital Insulation Tester for photovoltaic generation systems. Measure insulation resistance accurate and safely without being affected by generated solar power and identify the value in just 4 seconds.	180,000.00
	IR3455	5-range, 250V to 5000V digital insulation resistance tester offering up to 10TΩ of insulated resistance testing. High performance features include bargraph, built-in memory, leak current and voltage testing, and DAR and PI calculation capabilities to help shorten work time associated with field insulation testing.	880,000.00
	FT6031-50	IP67 dustproof and waterproof two- or three-pole ground resistance tester with large, easy-to-read display, highly sensitive earthing rods, and innovative cable winder that significantly reduces the amount of time needed to complete earth resistance tests.	175,000.00
	FT3405	Wide Range Industrial-Grade Digital Tachometers for Non-Contact and Contact Rotation and Cycle Measurements Rotation (r/min) : (30.00 to 199.99) to (20000 to 99990), Rotation (r/s) : (0.5000 to 1.9999) to (200.0 to 1600.0), Period (ms) : (0.6000 to 1.9999) to (200.0 to 1999.9), Count : 0 to 999999	185,000.00
	FT3406	All of Feature of FT3405 along with [Analog output] 0 to 1 V f.s., Accuracy: ±2 % f.s., Output resistance: 1 kΩ [Pulse output] 0 to 3.3 V, Output resistance: 1 kΩ Can use with the AC adapter for power supply	220,000.00

Battery Testers & Resistance Meters

Model	Description	List Price
 BT3554-50	Battery Internal Resistance Tester sets the standard for assessing the deterioration and remaining life of UPS and other lead-acid batteries by giving a complete diagnosis via battery resistance testing. The specially designed L2020 Pin Type Lead further improves testing efficiency with an L-shaped tip that lets you reach deep into the battery racks to completely probe the terminals.	850,000.00
 BT3554-52	All Features of BT3554 with Type L2020	990,000.00
 BT4560	Battery Impedance Tester measures the impedance of lithium-ion batteries using the low-frequency AC-IR measurement method without charging and discharging the battery, substantially reducing the time needed to inspect the internal resistance of battery cells.	3,100,000.00
 RM3548	High-Precision, Portable Resistance Meter capable of measuring resistance levels from microohms to megaohms, and is ideal for the testing and maintenance of large equipment, for example, measuring the winding and weld resistances in large motors and stators for hybrid and electric vehicles.	580,000.00
 RM3545	Super-High-Precision, multichannel-capable resistance meters that meet applications in advanced research and production for testing winding resistance of motors and transformers; contact resistance of power relays, switches, and connectors; and resistance of signal relays and magnetic parts.	1,180,000.00

Memory HiCoders ,Power Quality & Impedance Analyzers

	Model	Description	List Price
	MR8870-20	Handheld Data Acquisition (DAQ) Recorder built in with 2 analog channels and 2MW of memory, suitable for elevator maintenance, machine, motor and inverter fault analysis, testing and inspections.	575,000.00
	PQ 3100-92	PQ3100 is a comprehensive but easy-to-use power quality analyzer for monitoring and recording power supply anomalies, allowing their causes to be quickly investigated, and also for assessing power supply problems such as voltage drops, flicker, harmonics, and other electrical issues.	2,250,000.00
	PQ3198-92	PQ3198 is a power quality analyzer for monitoring and recording power supply anomalies, allowing their causes to be quickly investigated, and also for assessing power supply problems such as voltage drops, flicker, harmonics, and other electrical issues. New features include the ability to drive current sensors straight from the PQA and enhanced recording capabilities.	3,900,000.00
	IM3536	Standard for general-purpose LCR meters by offering a wide DC and 4Hz to 8MHz (up to 10MHz special order available) testing frequency while delivering 0.05% accuracy, ideal for evaluating the characteristics of next generation electronic components, including power supply inductors thanks to the instrument's maximum measurement frequency of 8MHz. (up to 10MHz special order available)	2,350,000.00



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