

AIR CIRCUIT BREAKERS

DMX³

EFFICIENT
PROTECTION
UP TO 6300 A



MP6 LSI/LSI_g TOUCH SCREEN PROTECTION UNIT



LEDs INDICATING CORRECT
OPERATION, PRE-ALARM
AND ALARM FOR OVERLOAD
AND TEMPERATURE

SETTINGS LOCK

ON BUTTON

MINI USB
PORT FOR PC
CONNECTION

Innovative and user friendly touch screen tripping units



Scan to know more about
the product.

DMX³ air circuit breakers



- Range – 630 A to 6300 A
- Three Optimum Frame Sizes
- Breaking Capacities of 50 kA, 65 kA & 100 kA
- Advanced Self Powered Electronic Protection Units
- Options for LSI and LSIG Trip Units
 - L : I_r – 0.4 to 1 I_n , t_r – 5 to 30 sec
 - S : I_{sd} – 1.5 to 10 I_r , t_{sd} – 0.1 to 1 sec
 - I : I_i – 2 to 15 I_n
 - G : 0.2 to 1 I_n , t_g – 0.1 to 1 sec
- Options of LCD and Touch Screen Multi Colour Displays
- Neutral Overload Protection – OFF-50 %-100 %
- Communication Ready
- In Built Temperature Protection
- Rotatable Terminals for Horizontal/Vertical Orientation
- Fast Operation
- Options to install various safety interlock
- Internal Battery for Trip Units
- Individual fault diagnosis
- Individual Fault Counter & Historical Trip Record
- Option to add 6 Programmable Digital Relay Contacts with Time Delay Changeover
- Option to Measure Current, Voltage, Frequency, Power, Energy, Power Factor and internal battery voltage
- Advanced Functions of Logical Selectivity, Reverse Power, Current Unbalance, Overvoltage, Undervoltage, Voltage Unbalance, Under Frequency, Over Frequency & Phase Reversal

Type and frame size	Rated Current (A)	3P			4P		
		Cat.Nos	MRP*/₹/Unit	Pack	Cat.Nos	MRP*/₹/Unit	Pack

Fixed version

DMX ³ - N 2500, Icu 50 kA Frame - 1	630 A	0286 20	■	1	0286 30	■	1
	800 A	0286 21	■	1	0286 31	■	1
	1000 A	0286 22	■	1	0286 32	■	1
	1250 A	0286 23	■	1	0286 33	■	1
	1600 A	0286 24	■	1	0286 34	■	1
	2000 A	0286 25	■	1	0286 35	■	1
	2500 A	0286 26	■	1	0286 36	■	1
DMX ³ -N 4000 Icu 50 kA Frame - 2	3200 A	0286 27	■	1	0286 37	■	1
	4000 A	0286 28	■	1	0286 38	■	1
DMX ³ - H 2500, Icu 65 kA Frame - 1	630 A	0286 40	■	1	0286 50	■	1
	800 A	0286 41	■	1	0286 51	■	1
	1000 A	0286 42	■	1	0286 52	■	1
	1250 A	0286 43	■	1	0286 53	■	1
	1600 A	0286 44	■	1	0286 54	■	1
	2000 A	0286 45	■	1	0286 55	■	1
	2500 A	0286 46	■	1	0286 56	■	1
DMX ³ -H 4000 Icu 65 kA Frame - 2	3200 A	0286 47	■	1	0286 57	■	1
	4000 A	0286 48	■	1	0286 58	■	1
DMX ³ - L 2500, Icu 100 kA Frame - 2	630 A	0286 60	■	1	0286 70	■	1
	800 A	0286 61	■	1	0286 71	■	1
	1000 A	0286 62	■	1	0286 72	■	1
	1250 A	0286 63	■	1	0286 73	■	1
	1600 A	0286 64	■	1	0286 74	■	1
	2000 A	0286 65	■	1	0286 75	■	1
	2500 A	0286 66	■	1	0286 76	■	1
DMX ³ -L 4000 Icu 100 kA Frame - 2	3200 A	0286 67	■	1	0286 77	■	1
	4000 A	0286 68	■	1	0286 78	■	1
DMX ³ -L 6300 Icu 100 kA Frame - 3	5000 A	0289 50	■	1	0289 60	■	1
	6300 A	0289 51	■	1	0289 61	■	1

■ Price available on request.

* MRP - Maximum Retail Price Inclusive of all taxes including GST.

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DMX³ air circuit breakers

Type and frame size	Rated Current (A)	3P			4P		
		Cat.Nos	MRP*/₹/Unit	Pack	Cat.Nos	MRP*/₹/Unit	Pack
Draw - out version							
DMX ³ - N 2500, Icu 50 kA Frame - 1	630 A	0287 20	■	1	0287 30	■	1
	800 A	0287 21	■	1	0287 31	■	1
	1000 A	0287 22	■	1	0287 32	■	1
	1250 A	0287 23	■	1	0287 33	■	1
	1600 A	0287 24	■	1	0287 34	■	1
	2000 A	0287 25	■	1	0287 35	■	1
	2500 A	0287 26	■	1	0287 36	■	1
DMX ³ -N 4000 Icu 50 kA Frame - 2	3200 A	0287 27	■	1	0287 37	■	1
	4000 A	0287 28	■	1	0287 38	■	1
DMX ³ - H 2500, Icu 65 kA Frame - 1	630 A	0287 40	■	1	0287 50	■	1
	800 A	0287 41	■	1	0287 51	■	1
	1000 A	0287 42	■	1	0287 52	■	1
	1250 A	0287 43	■	1	0287 53	■	1
	1600 A	0287 44	■	1	0287 54	■	1
	2000 A	0287 45	■	1	0287 55	■	1
	2500 A	0287 46	■	1	0287 56	■	1
DMX ³ -H 4000 Icu 65 kA Frame - 2	3200 A	0287 47	■	1	0287 57	■	1
	4000 A	0287 48	■	1	0287 58	■	1
DMX ³ - L 2500, Icu 100 kA Frame - 2	630 A	0287 60	■	1	0287 70	■	1
	800 A	0287 61	■	1	0287 71	■	1
	1000 A	0287 62	■	1	0287 72	■	1
	1250 A	0287 63	■	1	0287 73	■	1
	1600 A	0287 64	■	1	0287 74	■	1
	2000 A	0287 65	■	1	0287 75	■	1
	2500 A	0287 66	■	1	0287 76	■	1
DMX ³ -L 4000 Icu 100 kA Frame - 2	3200 A	0287 67	■	1	0287 77	■	1
	4000 A	0287 68	■	1	0287 78	■	1
DMX ³ -L 6300 Icu 100 kA Frame - 3	5000 A	0289 52	■	1	0289 62	■	1
	6300 A	0289 53	■	1	0289 63	■	1



0287 56

switch disconnecter (trip free switches) from 1250 to 6300 A

Fixed version

DMX ³ -I 2500 Frame - 1	1250 A	0286 83	■	1	0286 93	■	1
	1600 A	0286 84	■	1	0286 94	■	1
	2000 A	0286 85	■	1	0286 95	■	1
	2500 A	0286 86	■	1	0286 96	■	1
DMX ³ -I 4000 Frame - 2	3200 A	0286 87	■	1	0286 97	■	1
	4000 A	0286 88	■	1	0286 98	■	1
DMX ³ -I 6300 Frame - 3	6300 A	0289 70	■	1	0289 71	■	1



0286 96

draw - out version

DMX ³ -I 2500 Frame - 1	1250 A	0287 83	■	1	0287 93	■	1
	1600 A	0287 84	■	1	0287 94	■	1
	2000 A	0287 85	■	1	0287 95	■	1
	2500 A	0287 86	■	1	0287 96	■	1
DMX ³ -I 4000 Frame - 2	3200 A	0287 87	■	1	0287 97	■	1
	4000 A	0287 88	■	1	0287 98	■	1
DMX ³ -I 6300 Frame - 3	6300 A	0289 77	■	1	0289 78	■	1



0287 96

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DMX³ electronic protection units

Cat.Nos	Description	MRP*/₹/Unit	Pack
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Electronic protection units MP4

0288 01	Electronic Protection Unit with LCD screen with Im, tm, Ir, tr and li adjustments on the front	■	1
0288 02	Electronic Protection Unit with LCD screen with Im, tm, Ir, tr, li, Ig and tg adjustments on the front	■	1



0288 02

Electronic protection units MP6

0288 03	Electronic Protection Unit with Touch screen with Im, tm, Ir, tr and li, adjustments on the front	■	1
0288 04	Electronic Protection Unit with Touch screen with Im, tm, Ir, tr, li, Ig and tg adjustments on the front	■	1



0288 03

Accessories for electronic protection units

0288 10	External neutral CT for DMX ³ 6300	■	1
0288 11 ⁽¹⁾	External neutral CT	■	1

Type and frame size	3P			4P		
	Cat.Nos	MRP*/₹/Unit	Pack	Cat.Nos	MRP*/₹/Unit	Pack

Fixed version

DMX ³ 2500, fixed version, frame - 1	0288 84	■	1	0288 85	■	1
	0288 82	■	1	0288 83	■	1
DMX ³ 4000, DMX ³ 6300 fixed version, frame - 2 & 3	0288 92	■	1	0288 93	■	1
DMX ³ 2500 draw-out version, Frame - 1	0288 96	■	1	0288 97	■	1
DMX ³ 4000, DMX ³ 6300 draw-out version, fram - 2 & 3	0288 94	■	1	0288 95	■	1
DMX ³ 2500, draw-out version, frame-1 suitable for Aluminium	0288 96A	■	1	0288 97A	■	1
DMX ³ 4000, DMX ³ 6300 draw-out version, frame - 2&3, suitable for Aluminium	0288 94A	■	1	0288 95A	■	1



0288 84



0288 82



0288 96

Spreaders

DMX ³ 2500, fixed version, frame - 1	0289 02	■	1	0288 87	■	1
	0288 88	■	1	0288 89	■	1
	0288 90	■	1	0288 91	■	1



0288 91

Equipment for conversion of a fixed device into draw-out device

Bases (cradle) for Draw-Out Device

DMX ³ /DMX ³ -I 2500, frame - 1	0289 02	■	1	0289 03	■	1
DMX ³ /DMX ³ -I 4000, frame - 2	0289 04	■	1	0289 05	■	1
DMX ³ /DMX ³ -I 6300, frame - 3	0289 13	■	1	0289 14	■	1

Transformation kit for Draw-Out Version

DMX ³ /DMX ³ -I 2500, frame - 1	0289 09	■	1	0289 10	■	1
DMX ³ /DMX ³ -I 4000, frame - 2	0289 11	■	1	0289 12	■	1
DMX ³ /DMX ³ -I 6300, frame - 3	0289 15	■	1	0289 16	■	1

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(1) Optional accessories to be ordered while ordering electronic protection unit and DMX³ air circuit breakers for factory assembly

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DMX³ auxiliaries and accessories

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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Control and signalling auxiliaries

Shunt trip

0288 48	24 V~/=	■	1
0288 49	48 V~/=	■	1
0288 50	110 V~/=	■	1
0288 51	230 V~/=	■	1
0288 52	415 V~	■	1



0288 51

Undervoltage releases

0288 55	24 V~/=	■	1
0288 56	48 V~/=	■	1
0288 57	110 V~/=	■	1
0288 58	230 V~/=	■	1
0288 59	415 V~	■	1



0288 58

Undervoltage releases with delay

0288 62	110 V~/=	■	1
0288 63	230 V~/=	■	1

Motor operators

0288 34	24 V~/=	■	1
0288 35	48 V~/=	■	1
0288 36	110 V~/=	■	1
0288 37	230 V~/=	■	1
0288 38	415 V~	■	1



0288 37

Closing coils

0288 41	24 V~/=	■	1
0288 42	48 V~/=	■	1
0288 43	110 V~/=	■	1
0288 44	230 V~/=	■	1
0288 45	415 V~	■	1



0288 44

Locking

Key locking in "open" position

0288 27	Open position lock RONIS x 5 + 3 keys (Random)	■	1
0288 28	2 hole support frame for RONIS locks	■	1
4238 80	Key barrel and flat key with random mapping	■	1
4238 81	Key barrel and flat key with fixed mapping	■	1
4238 82	Key barrel and flat key with fixed mapping	■	1
4238 83	Key barrel and star key with random mapping	■	1
0281 94	Kit for key lock in d/o position DMX3	■	1

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▼ For communication add 4226 82 + 4226 89

DMX³ auxiliaries and accessories

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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Locking

Key locking in the draw out position

4238 80	Key Lock (Only lock + key)	■	1
4238 83	Key barrel and star key with random mapping	■	1
0281 94	Kit for key lock in d/o position DMX3	■	1

Door locking

0288 20	Left-hand and right-hand side mounting	■	1
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Padlocks in "open" position

0288 21	Padlocking system for ACB	■	1
0288 24	Padlocking for button	■	1
0288 26	Padlocking system for shutters	■	1

Automation control unit

4226 81	Standard unit	■	1
4226 82	Advanced unit	■	1
4226 89▼	Communication module	■	1



4226 82

Equipment for supply invertors

0288 64	Interlock for DMX ³ 2500	■	1
0288 65	Interlock for DMX ³ 4000	■	1
0288 66	Interlock for DMX ³ 6300	■	1



0288 64

Cable interlock

0289 20	Type 1 (2600 mm)	■	1
0289 21	Type 2 (3000 mm)	■	1
0289 22	Type 3 (3600 mm)	■	1
0289 23	Type 4 (4000 mm)	■	1
0289 24	Type 5 (4600 mm)	■	1
0289 25	Type 6 (5600 mm)	■	1

Accessories

0288 25	Rating mis-insertion device	■	1
0288 23	Operations counter	■	1
0288 13	Inserted / test / Draw-out Contact	■	1
0288 14	Contact "ready to close" with charged springs	■	1
0288 15	Set of additional signalling contacts	■	1
0288 16	Signal Contact for Auxiliaries	■	1
0288 22	Door sealing IP 40	■	1
0288 79	Lifting plate	■	1

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power supply

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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Generic power supply for all your conversion needs from AC to DC

Features

Conform to standards UL 508, UL 60950, EN 61558-2-16 and IEC EN 60950-1, EN 55022 class B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2 and EN 61204-3

Operating frequency: 50/60 Hz

Output voltage present indicator

Output voltage adjustment potentiometer on front panel

Integrated short-circuit and overload protection

For mounting on a symmetrical rail depth 7.5 mm and 15 mm

1467 01	Single-ph swmodule powrsupl15W	5550	1
1467 11	Single-ph swmodule powrsupl24W	6012	1

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(1) Price in Meters; No of meters in Pack, Standard length 2 meters to be ordered in multiple of 2 meters.

power supply

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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1467 21

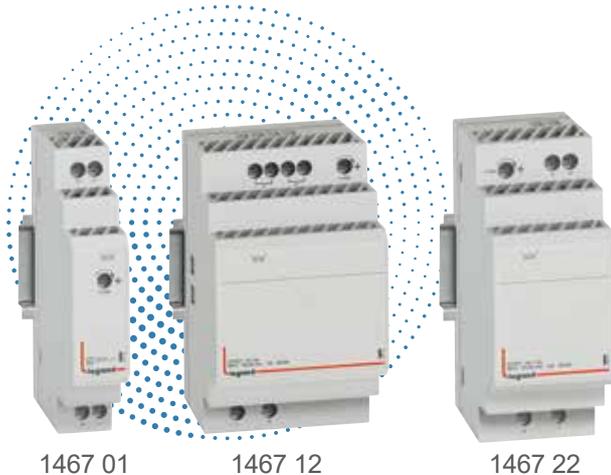
1467 12	Single-ph swmodule powrsupl54W	6710	1
1467 21	SM POWER SUPPLY 24V - 15W	6252	1
1467 22	Single-ph swmodule powrsupl36W	6244	1
1467 23	Single-ph swmodule powrsupl60W	6824	1
1467 24	Single-ph swmodule powrsupl92W	7450	1

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Switching Mode Power Supplies

single-phase

Generic power supply for all your conversion needs from AC to DC



1467 01

1467 12

1467 22

UL 508 approvals
conforming to IES EN 60950-1, EN 61558-2-16
Conforming to EN 55022 class B*, EN 61000-3-2 class A, EN 61000-3-3
Conforming to EN 61000-4-2, 3, 4, 6 Level 3, criterion A
EN 61000-4-5 and 8 level 4, criterion A
EN 61204-3

*Class B means the power supply can be used in any environment, including residential

Features

Operating frequency: 50/60 Hz

Integrated short-circuit and overload protection on the power supply secondary

Class II insulation

Output voltage present indicator

Output voltage adjustment potentiometer on front panel

Output voltage variation: ±1%

No-load power consumption less than 0.3w

Cooling by natural convection

Modular product

e COMMUNICATION ARCHITECTURE

PROTECTION

MEASUREMENT

CONTROL AND SIGNALLING

RESIDENTIAL

DX³ Ph+N MCBs



408614 408590

EMDX³ energy meters



4120 45 4120 81 4120 91



406295 406252 026136

Auxiliaries and motorised control + I/O interface

COLLECTIVE HOUSING AND SMALL OFFICE BUILDINGS

DX3 MCBs



408614 408590

EMDX³ measuring units

4120 53

EMDX³ energy meters



4120 45 / 412081 / 412091



4106 57

Cx3 EMS modules:

414919 Single phase



414920 Three phase



414926 Pulse concentrator

CX3 EMS signaling and control modules



414929 / 414930 / 414932

CX3 EMS signaling and control modules



414931

CX3 + DX3 MCBs



4086 94 4125 56

EMDX³ measuring units



4120 53



4120 45 / 412091 EMDX³ energy meters

Auxiliaries and motorised control

+

I/O interface



028815



026144



026136

COMMERCIAL AND INDUSTRIAL



420010

DPX3 MCCBs



028696

DMX3 MCCBs

CX3 EMS measuring module



414923

Electronic DPX3 with integrated measurement



028803

DMX3 with electronic Protection unit

Auxiliaries and motorised control

+

I/O interface



028815



026144



026136

Auxiliaries and motorised controls



028815



026144

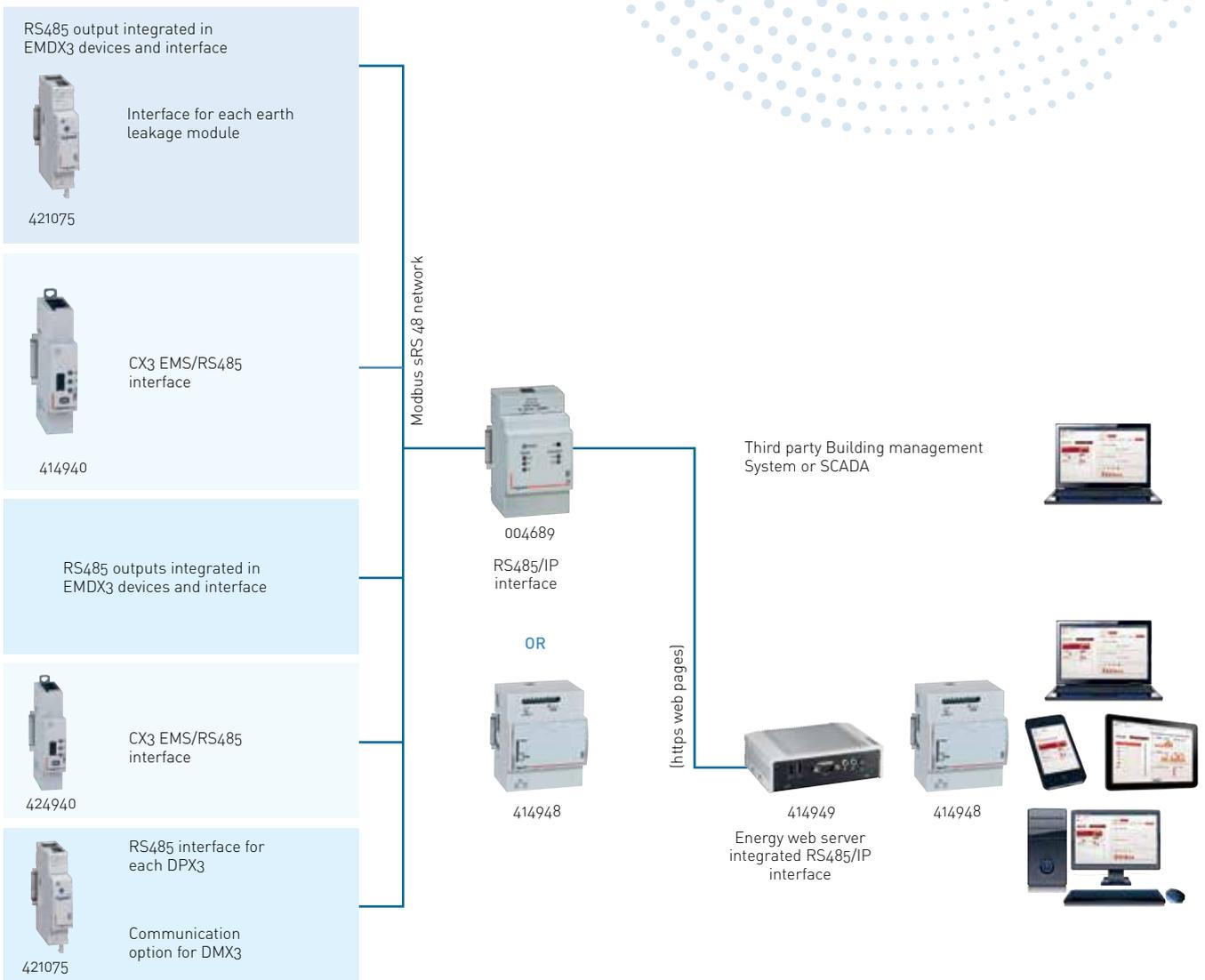
+

CX3 EMS signalling and control modules



414929 / 414932

COMMUNICATION REMOTE



e-communicating infrastructure

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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Power supervision system

Remote control, Monitoring and Measurement

Communication accessories for ACB

0288 05	Communication option - for DMX ³ electronic protection units (Factory Fitted)	3300	1
0288 06	Power supply - external - 12 V DC - for DMX ³ electronic protection units	6840	1

0288 06

Communication modules

Modules programmable output

Features

Programmable electronic device capable of controlling 6 relay outputs. The device can work in three different ways, with DMX3, with DPX3 or as Independent module depending on the product it is associated with

6 Programmable relay outputs with 230 V, 8 A contacts

Communication is ensured by the Modbus protocol.

0288 12	Modules programmable output	30490	1
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0288 12

Signalling and control interface

Features

Signalling and control interface between the power supervision system and the **thermal magnetic or electronic circuit breakers**.

Equipped with analogue / digital inputs and relay outputs.

Can handle multiple circuit breakers.

24 inputs for collecting information from the signalling auxiliaries on the DPX³ and DMX³ circuit breakers: auxiliary contact NO position (1 input) or NO+NC position (2 inputs), fault signal (1 input)

6 outputs for: the remote control of the motor driven circuit breakers (2 outputs) and for tripping the circuit breakers (1 output)

Communication is ensured by the Modbus protocol. Address, speed and coding can be modified with

configuration kit.

0261 36	Signalling and control interface	31760	1
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0261 36

Communication accessories for MCCB

Features

RS485 communication interface

Potential free contact for circuit breaker tripped status information max. 220 V 0.2 A

4210 75	DPX ³ electronic interface For connecting electronic DPX ³ to an RS485 Modbus communication network Note: 24 V _{DC} is required to power up the module	18390	1
4210 83	Auxiliary power supply for DPX ³ - 24 V _{DC} - 250 mA Can be used to power upto 8 breakers	5130	1

4210 83

e-communicating infrastructure

Cat.Nos	Description	MRP* ₹ / Unit	Pack
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Communication accessories for MCB

Features

RS485 communication interface

Potential free contact for circuit breaker tripped status information max. 220 V 0.2 A

Can be connected with DX3 add on Modules (4106 57/58/59)

4210 75	DPX ³ electronic interface For connecting electronic DPX ³ to an RS485 Modbus communication network Note: 24 V _{DC} is required to power up the module	18390	1
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4210 75

Communication accessories

0261 45	Configurator kit For configuring the DPX and DPX ³ I/O card and interface Kit with configurators 0 to 9 (10 configurators for each digit)	■	1
0046 89	IP converter For RS 485/ Ethernet conversion for connecting electricity meters and measurement control units to an IP network	■	1
1466 23	Stabilised switched modules power supply- single phase -75-960 W-output 24 V _{DC} -120 W	■	1

0261 45

0046 89

1466 23

Energy management multi-support web servers

Allow remote configuration, test, control and visualization, via a web browser on PCs, smartphones, web viewers, tablet computers, of data Converter

Features

In-built IP convertor

Power supply: 9 to 28 V_{DC} with the help of a single-phase switching mode power supply Cat.No 1467 21 to be ordered separately. With the Legrand Power supervision system, circuit breakers are integrated in a supervision system

You can therefore check the status of the circuit breakers, measure the electrical values and control the circuit breakers remotely.

MODBUS protocol

4149 47	For 10 Modbus addresses or 10 pulse modules	■	1
4149 48	For 32 Modbus addresses or 32 pulse modules	■	1
4149 49	For 255 Modbus addresses or 255 pulse modules Supplied with external power supply and fixing brackets	■	1

4149 48

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