

AC Miniature Circuit Breakers - xC60



- Breaking Capacity as per IEC 60898 and IS/IEC 60898, I_{cn} = 10kA
- Breaking Capacity as per IEC 60947-2, I_{cn} = 15kA, upto 40A
- Can be used for DC application upto 60V per pole
- Higher system performance with optimized cost: Cascading*
- Increased System Continuity: Discrimination*
- Higher Installation Life: Energy Limitation Class 3, Fast Closure Mechanism
- Ease, Speed and Flexibility of installation - Biconnect, Line-Load Reversible
- Field-fittable auxiliaries for advance protection and monitoring
- Positive Contact Indication for assurance of disconnection
- Reference Temperature of 50°C as per IEC 60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1 mod		2 mod		3 mod		4 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	

B curve

6	A9N1P06B	268	A9N2P06B	788	A9N3P06B	1286	A9N4P06B	1728
10	A9N1P10B	268	A9N2P10B	788	A9N3P10B	1286	A9N4P10B	1728
16	A9N1P16B	268	A9N2P16B	788	A9N3P16B	1286	A9N4P16B	1728
20	A9N1P20B	268	A9N2P20B	788	A9N3P20B	1286	A9N4P20B	1728
25	A9N1P25B	268	A9N2P25B	788	A9N3P25B	1286	A9N4P25B	1728
32	A9N1P32B	268	A9N2P32B	788	A9N3P32B	1286	A9N4P32B	1728
40	A9N1P40B	578	A9N2P40B	1278	A9N3P40B	1972	A9N4P40B	2508
50	A9N1P50B	578	A9N2P50B	1278	A9N3P50B	1972	A9N4P50B	2508
63	A9N1P63B	578	A9N2P63B	1278	A9N3P63B	1972	A9N4P63B	2508

C curve

1	A9N1P01C	406	A9N2P01C	1098	A9N3P01C	1692	A9N4P01C	2148
2	A9N1P02C	406	A9N2P02C	1098	A9N3P02C	1692	A9N4P02C	2148
3	A9N1P03C	406	A9N2P03C	1098	A9N3P03C	1692	A9N4P03C	2148
4	A9N1P04C	406	A9N2P04C	1098	A9N3P04C	1692	A9N4P04C	2148
6	A9N1P06C	268	A9N2P06C	788	A9N3P06C	1286	A9N4P06C	1728
10	A9N1P10C	268	A9N2P10C	788	A9N3P10C	1286	A9N4P10C	1728
16	A9N1P16C	268	A9N2P16C	788	A9N3P16C	1286	A9N4P16C	1728
20	A9N1P20C	268	A9N2P20C	788	A9N3P20C	1286	A9N4P20C	1728
25	A9N1P25C	268	A9N2P25C	788	A9N3P25C	1286	A9N4P25C	1728
32	A9N1P32C	268	A9N2P32C	788	A9N3P32C	1286	A9N4P32C	1728
40	A9N1P40C	578	A9N2P40C	1278	A9N3P40C	1972	A9N4P40C	2508
50	A9N1P50C	578	A9N2P50C	1278	A9N3P50C	1972	A9N4P50C	2508
63	A9N1P63C	578	A9N2P63C	1278	A9N3P63C	1972	A9N4P63C	2508

D curve

1	A9N1P01D	412	A9N2P01D	1118	A9N3P01D	1736	----	----
2	A9N1P02D	412	A9N2P02D	1118	A9N3P02D	1736	A9N4P02D	2174
3	A9N1P03D	412	A9N2P03D	1118	A9N3P03D	1736	A9N4P03D	2174
4	A9N1P04D	412	A9N2P04D	1118	A9N3P04D	1736	A9N4P04D	2174
6	A9N1P06D	346	A9N2P06D	830	A9N3P06D	1354	A9N4P06D	1798
10	A9N1P10D	346	A9N2P10D	830	A9N3P10D	1354	A9N4P10D	1798
16	A9N1P16D	346	A9N2P16D	830	A9N3P16D	1354	A9N4P16D	1798
20	A9N1P20D	346	A9N2P20D	830	A9N3P20D	1354	A9N4P20D	1798
25	A9N1P25D	346	A9N2P25D	830	A9N3P25D	1354	A9N4P25D	1798
32	A9N1P32D	346	A9N2P32D	830	A9N3P32D	1354	A9N4P32D	1798
40	A9N1P40D	628	A9N2P40D	1362	A9N3P40D	2096	A9N4P40D	2640
50	A9N1P50D	628	A9N2P50D	1362	A9N3P50D	2096	A9N4P50D	2640
63	A9N1P63D	628	A9N2P63D	1362	A9N3P63D	2096	A9N4P63D	2640

Note: * Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart

**18mm/module

Acti 9

Advanced Communication
Technology that Inspires...

Miniature Circuit Breakers (MCBs)

for circuit protection against Overload and Short Circuit Current Fault

AC Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive Contact Indication for assurance of disconnection
- Degree of pollution: 3 (suitable for industrial environment)
- Operating Temperature: -30 to 70°C
- Terminal connections: Flexible cables up to 35 sq.mm; Rigid cables up to 50 sq.mm
- Reference temperature 50°C as per IEC 60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	

C120N (10kA)

80	A9N18357	2115	A9N18361	4695	A9N18365	7400	A9N18372	9640
100	A9N18358	2375	A9N18362	5010	A9N18367	7885	A9N18374	10055
125	A9N18359	2565	A9N18363	5510	A9N18369	8755	A9N18376	11370

C120H (15kA)

80	A9N18446	2535	A9N18457	5710	A9N18468	8695	A9N18479	11165
100	A9N18447	2800	A9N18458	5850	A9N18469	9475	A9N18480	12035
125	A9N18448	3055	A9N18459	6640	A9N18470	10220	A9N18481	13075

DC Miniature Circuit Breakers - C60H



- Specially designed MCB for enhanced protection in DC installation
- Magnetic arch chutes to quick break DC current in event of fault
- Breaking capacity 6kA as per IEC 60947-2
- Voltage Rating: 1P - 250 V DC & 2P - 500 V DC
- Impulse Voltage: 6 kV
- Higher Installation Life: Energy Limiting Class: 3

[In] Rated Current (A)	Module Width 18mm/module	1 Pole Reference	Unit LP [₹]	Module Width 18mm/module	2 Pole Reference	Unit LP [₹]
MOQ		12 Nos.			6 Nos.	

C60H-DC

0.5	1	A9N61500	725	2	A9N61520	1530
1	1	A9N61501	725	2	A9N61521	1530
2	1	A9N61502	725	2	A9N61522	1530
3	1	A9N61503	725	2	A9N61523	1530
4	1	A9N61504	725	2	A9N61524	1530
5	1	A9N61505	725	2	A9N61525	1530
6	1	A9N61506	590	2	A9N61526	1285
10	1	A9N61508	590	2	A9N61528	1285
16	1	A9N61511	590	2	A9N61531	1285
20	1	A9N61512	590	2	A9N61532	1285
25	1	A9N61513	590	2	A9N61533	1285
32	1	A9N61515	590	2	A9N61535	1285
40	1	A9N61517	775	2	A9N61537	1770
50	1	A9N61518	775	2	A9N61538	1770
63	1	A9N61519	775	2	A9N61539	1770

Special application MCBs



Solar Application – PV DC

- DC MCB for multi string PV installations
- Operating Voltage: 800V DC
- Current Rating up to 25A
- Complies to IEC / EN 60947-2



Rail Application* (including Rolling Stock)

- Fire & smoke Resistant – Level 2 (NF F 16-101, NF F 16-102)
- Shock & vibration resistant (IEC 61373) – Cat 1, Class B
- Breaking Capacity: up to 25kA
- Complies to IEC / EN 60947-2



UL MCB

- Type: UL1077, UL489
- Breaking Capacity of 10kA
- Complies to IEC 60947-2 / UL1077 / UL489 / CSA

Note:

Please contact nearest Schneider Electric sales office or Customer Care for Reference and prices of Application Specific MCBs

*Rail Application RCDs are also available on demand

**18mm/module

AC Miniature Circuit Breakers - NG125



- Compliance to IEC / EN 60947-2
- High Breaking Capacity MCBs – up to 50kA
- Current Rating up to 125A
- Trip on fault indication on front face of MCB
- Suitability for isolation in the industrial sector to IEC/EN 60947-2
- Available in B, C, D Curves

[In] Rated Current (A)	1 Pole Reference	Unit LP [₹]	2 Pole Reference	Unit LP [₹]	3 Pole Reference	Unit LP [₹]	4 Pole Reference	Unit LP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
NG125N – 25kA Breaking Capacity								
10	18610	*	18621	*	18632	*	18649	*
16	18611	*	18622	*	18633	*	18650	*
20	18612	*	18623	*	18634	*	18651	*
25	18613	*	18624	*	18635	*	18652	*
32	18614	*	18625	*	18636	*	18653	*
40	18615	*	18626	*	18637	*	18654	*
50	18616	*	18627	*	18638	*	18655	*
63	18617	*	18628	*	18639	*	18656	*
80	18618	*	18629	*	18640	*	18658	*
NG125H – 36kA Breaking Capacity								
10	18705	*	18714	*	18723	*	18732	*
16	18706	*	18715	*	18724	*	18733	*
20	18707	*	18716	*	18725	*	18734	*
25	18708	*	18717	*	18726	*	18735	*
32	18709	*	18718	*	18727	*	18736	*
40	18710	*	18719	*	18728	*	18737	*
50	18711	*	18720	*	18729	*	18738	*
63	18712	*	18721	*	18730	*	18739	*
80	18713	*	18722	*	18731	*	18740	*
NG125H – 50kA Breaking Capacity								
10	18777	*	18788	*	18799	*	18810	*
16	18778	*	18789	*	18800	*	18811	*
20	18779	*	18790	*	18801	*	18812	*
25	18780	*	18791	*	18802	*	18813	*
32	18781	*	18792	*	18803	*	18814	*
40	18782	*	18793	*	18804	*	18815	*
50	18783	*	18794	*	18805	*	18816	*
63	18784	*	18795	*	18806	*	18817	*
80	18785	*	18796	*	18807	*	18818	*

*Price on Request – Please contact Schneider Electric Customer Care Center for Prices

**18mm/module

Note: Reference provided above are for C Curve MCBs – B and D Curve details available on request

Residual Current Devices (RCDs) - For Human and Fire Protection



**30
mA**

Use of **30mA RCDs** is now **mandatory** for all **domestic intallations** in India {CEA Amendment regulation 2015*}



Schenider Electric provides voltages independent RCDs which work on current sensing technology and provide protection from residual current even at extra low voltages (down to zero volts) and in case of break of neutral.

**SI
Type**

Schenider Electric offers SI RCD built to operate in electroically polluted or intallation in aggressive environments:

- Flourescent / Variable lighting with Electronic ballast
- Powerful IT / Telecom equipment / Air conditioning
- Severe Atmosphere - High lighting risk / Swimming pools

* for Measures relating to Safety and Electric supply

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Residual Current Devices

for protection against Risk of Shock / Electrocution and Risk of Fire in case of Earth Leakage Current.

AC Residual Current Circuit Breakers - xID



Suitable for
ComReady
Auxiliary



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class protection
- Selective range available for time based discrimination
- Easy Monitoring: Earth fault indication and Test Button on front face
- Operating temperature up to +70°C
- Mandatory to use OF-S auxiliary to add any indication or tripping auxiliary

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16201	2815	4	A9N16251	3830
	100	2	A9N16203	3000	4	A9N16253	3990
	300	2	A9N16202	3085	4	A9N16252	4110
40	30	2	A9N16204	3300	4	A9N16254	3840
	100	2	A9N16205	3495	4	A9N16255	4015
	300	2	A9N16206	3590	4	A9N16256	4170
63	30	2	A9N16208	3900	4	A9N16258	4450
	100	2	A9N16209	4120	4	A9N16259	4745
	300	2	A9N16210	4205	4	A9N16260	4765
80	30	2	A9N16212	6565	4	A9N16261	7700
	100	2	A9N16213	6550	4	A9N16262	7680
	300	2	A9N16214	6670	4	A9N16263	7725

AC Residual Current Circuit Breakers (RCCBs) - ID



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Electrical ON/OFF indication by using OFSP auxiliary

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP [₹]
4P	100	30	4	**A9R11491	9290
		100	4	**A9R12491	9595
		30	4	16905	27615
	125	100	4	16906	28055
		300	4	16907	28575

Note: **For 100A RCCB Auxiliary kindly contact Customer Care

AC Residual Current Breaker Overload (RCBO) - DPN N Vigi



Suitable for
ComReady
Auxiliary



- Complies to standards IEC/EN 61009
- AC Class Protection; Tripping characteristics - C curve
- Overvoltage category (IEC 60364): IV
- Suitable for indication & tripping auxiliaries

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP [₹]
1P+N	6	30	2	A9N19661	4160
		300	2	A9N19681	4330
	10	30	2	A9N19663	4160
		300	2	A9N19683	4330
	16	30	2	A9N19665	4160
		300	2	A9N19685	4330
	20	30	2	A9N19666	4160
		300	2	A9N19686	4330
	25	30	2	A9N19667	4160
		300	2	A9N19687	4330
	32	30	2	A9N19668	4375
		300	2	A9N19688	4500
	40	30	2	A9N19669	5350
		300	2	A9N19689	5480

Note: Application specific RCDs also available with 10mA, 500mA and 1000mA sensitivities | Please contact nearest Schneider Electric Sales Office or Customer Care Center for Reference and Prices

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Advanced Communication
Technology that Inspires...

Residual Current Devices

for protection against Risk of Shock / Electrocutation and Risk of Fire
in case of Earth Leakage Current.

SI Type Residual Current Circuit Breakers (RCCBs) - xID SI



- Complies to standard IEC/EN 61008-1
- SI RCDs offer enhanced immunity against Electrical Disturbances; Polluted and Corrosive environments - Guaranteed performance in harsh operating conditions
- Ensures continuity of supply in networks with:
 - Transient overvoltages
 - Loads generating HF leakage current i.e. harmonics
 - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with:
 - Pulsating DC components
 - HF applications which "Blinds" (non-tripping) the conventional RCDs

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit LP [₹]	Module Width 18mm/module	4 Pole Reference	Unit LP [₹]
25	30	2	A9N16234	6080	4	A9N16321	6760
40	30	2	A9N16237	6400	4	A9N16324	6980
63	30	2	A9N16240	6560	4	A9N16327	7165
	300	2	A9N16246	6570	4	A9N16334	7480

Vigi Block for xC60 (Add-on RCD Module, 2 & 4 Pole)



- Flexibility to use MCB of any tripping curve to suit applications, ensuring best 3 in 1 protection
- No auxiliary supply required
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Immune to nuisance tripping due to transient over voltages

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit LP [₹]	Module Width 18mm/module	4 Pole Reference	Unit LP [₹]
25	30	1.5	A9N26581	3085	3	A9N26595	3705
	100	1.5	A9N26582	3855	3	A9N26596	4000
	300	1.5	A9N26583	3975	3	A9N26597	4120
63	30	2	A9N26611	4320	3.5	A9N26643	4540
	100	2	A9N26612	4490	3.5	A9N26644	4630
	300	2	A9N26613	4580	3.5	A9N26645	4720

Note: Vigi Block for High Rating up to 125A (C120) and High Breaking Capacity (NG125) available on demand

SI Type Residual Current Breaker Overload (RCBO) - DPN N Vigi SI



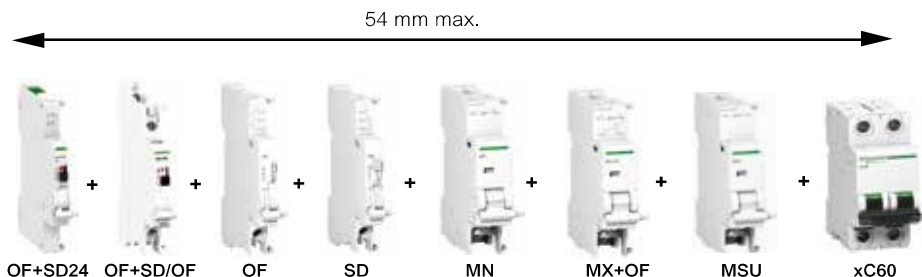
- Complies to standard IEC/EN 61009
- Ensures continuity of supply in networks with:
 - Transient overvoltages
 - Loads generating HF leakage current i.e. harmonics
 - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
 - Pulsating DC components
 - HF applications which "Blinds" (non-tripping) the conventional RCDs

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP [₹]
1P+N	6	30	2	A9N19631	*
		300	2	A9N19641	*
	10	30	2	A9N19632	*
		300	2	A9N19642	*
	16	30	2	A9N19634	*
		300	2	A9N19644	*
	20	30	2	A9N19635	*
		300	2	A9N19645	*
	25	30	2	A9N19636	*
		300	2	A9N19646	*
	32	30	2	A9N19637	*
		300	2	A9N19647	*
	40	30	2	A9N19638	*
		300	2	A9N19648	*

*For Prices, please contact nearest Schneider Electric Sales Office or Customer Care Center

Common Auxiliaries for xC60 / C120 / RCDs Range

- Field-fittable auxiliaries (clip fitted) mounted on left side with maximum width of 54mm
- Order: Tripping Auxiliaries (MN first) followed by Indication Auxiliaries (SD first)



Type	Module Width 18mm/module	Reference	Unit LP [₹]
Indication Auxiliaries			
OF Auxiliary Switch: for ON/OFF indications	0.5	A9N26924	795
SD Alarm Switch: for Trip on fault indications	0.5	A9N26927	925
OF + SD/OF Auxiliary switch	0.5	A9N26929	2560
OF+SD24 auxiliary contact (ComReady)	0.5	A9N26899	2065
Protection Auxiliaries – Trip Indication on front face			
MN Under-voltage Release 220-240V AC	1	A9N26960	2190
MSU Over-voltage Release 275V AC	1	A9N26500	3765
Tripping Auxiliaries – Trip Indication on front face			
MX + OF Shunt Release 110-415V AC: for Remote tripping of Circuit Breaker	1	A9N26946	2160
MX + OF Shunt Release 12-24V AC/DC: for Remote tripping of Circuit Breaker	1	A9N26948	2160
Auxiliary Switch for RCCBs – Mandatory for use of Auxiliaries with RCCBs			
Auxiliary switch for RCCB up to 80A (OF-S)	0.5	A9N26923	960
Auxiliary switch for RCCBs 125A (OFSP)	0.5	16940	1480

Accessories



Type	Description	Reference	Unit LP [₹]
Rotary Handle*	Breaker Switching Sub-Assembly	27046	2975
	Extended, Disconnectable handle	27047	1760
Padlock** (bag of 2)		26970	715
Multicable terminal for 3 copper cables**		19096	1200
Aluminum cable terminal**		27060	315
Spacer		A9N27062	155

* for xC60, C120, DPN N Vigi, C60H-DC, xSW - Multi poles only

**for xC60, xID, DPN N Vigi, C60H-DC, xSW, C60PV-DC

Note: For all above Reference MOQ = 1

Protection Against Lightning Strikes And Switching Surges



For all low voltage switchboards and electrical enclosures:

Comprehensive range

- To ensure the protection of equipment connected to:
 - low voltage networks,
 - telecommunications networks,
 - computer networks.
- Easy to implement and use.
- Compatibility with all earthing systems (TT, TNS, TNC, IT).
- Technical and aesthetic consistency.

Continuity of service and certified safety

Schneider Electric certified coordination between the surge arrester and its disconnection circuit breaker.

Compliance with standards: IEC/EN 61643-11.



More and more electrical equipment today is sensitive to overvoltages caused by lightning.



90%

of power outlets supply equipment incorporating electronic devices.



iQuick PRD "built-in" technology surge arresters, a Schneider Electric innovation, incorporate their own disconnection circuit breaker: easy to choose and simple to install for greater effectiveness.



Up to **30%** of installation time saved.

Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health Indicator: Also available with remote signaling
- For protection against Direct lightning surge, Indirect lightning surge, Switching surge
- Imp up to 25kA & I_{max} upto 40kA
- **Always use a Back-up MCB with your SPD**
- Maximum Operating Voltage [U_c]: 350V

Type	poles	Description	Module Width 18mm/module	Reference	Unit LP [R]
PRD1 25r		1P	2	16329	10690
		1P + N	4	16330	23520
		3P	6	16331	35275
		3P + N	8	16332	43825

Surge Arresters iPRD- Type 2 (Withdrawable type) (TT, TN-S, TN-C Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against Indirect lightning surge and Switching surge
- Inbuilt health Indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U_c]: 340V
- Level of protection, U_p: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r
- **Always use a Back-up MCB with your SPD**

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit LP [R]
iPRD8	230	1P	1	A9L08100	3600
	230	1P+N	2	A9L08500	6730
	230/400	3P	3	A9L08300	9090
	230/400	3P+N	4	A9L08600	13730
iPRD8r	230	1P+N	2	A9L08501	8075
	230/400	3P+N	4	A9L08601	16480
iPRD20	230	1P	1	A9L20100	4035
	230	1P+N	2	A9L20500	8470
	230/400	3P	3	A9L20300	10845
	230/400	3P+N	4	A9L20600	15625
iPRD20r	230	1P+N	2	A9L20501	10070
	230/400	3P+N	4	A9L20601	18750
iPRD40	230	1P	1	A9L40100	4770
	230	1P+N	2	A9L40500	9750
	230/400	3P	3	A9L40300	14005
	230/400	3P+N	4	A9L40600	19535
iPRD40r	230	1P	1	A9L40101	5720
	230	1P+N	2	A9L40501	12580
	230/400	3P	3	A9L40301	18860
	230/400	3P+N	4	A9L40601	23440
iPRD65r	230	1P	1	A9L65101	7650
	230	1P+N	2	A9L65501	16030
	230/400	3P	3	A9L65301	20925
	230/400	3P+N	4	A9L65601	27155

Spare Cartri_DGes for iPRD



- Spare cartri_DGes for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available on front face
- These cartri_DGes are not compatible with Old SPD range (A9L16...)**

Type	Spare cartri_DGes for	Reference	Unit LP [R]
iPRD 65-350	iPRD65r	A9L65102	4790
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3685
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2945
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2580
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3875

**Spare Cartri_DGes for Old SPD Range (A9L16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices

Note: For all above Reference MOQ = 1

iQuick PRD - Type 2 with inbuilt MCB



- Compact SPD with in-built back up MCB - saving on space, MCB selection, wiring time
- Compliance to EN 61643-11
- Withdrawable Type - Cost Efficient - Allows damaged cartri_DGes to be replaced without having to replace entire SPD
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available
- Incoming Protection: iQuick PRD 40r (High Risk level) and iQuick PRD 20r (Moderate Risk level)
- Secondary Protection: iQuick PRD 8r is cascade mounted with incoming surge arresters

Type	Poles Discription	Module Width 18mm/module	Reference	Unit LP [₹]
iQuick PRD 8r	1P+N	4	A9L16298	9725
	3P	6.5	A9L16299	14295
	3P+N	7.5	A9L16300	17790
iQuick PRD 20r	1P+N	4	A9L16295	11670
	3P	6.5	A9L16296	17155
	3P+N	7.5	A9L16297	21345
Quick PRD 40r	1P+N	4	A9L16292	13625
	3P	6.5	A9L16293	20420
	3P+N	7.5	A9L16294	25385

Note: Spare / Replacement Cartri_DGes available - For Reference and prices contact nearest sales office or customer care

Photovoltaic surge arresters



- Protection for photovoltaic panels and the DC input to the inverter from overvoltages due to a lightning strike
- Type 2 surge arresters
- Should be installed in switchboard inside the building. If switchboard is located outside, it must be weatherproof
- Withdrawable surge arrester allows damaged cartri_DGes to be replaced quickly
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available

Type	U (cpv) Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit LP [₹]
iPRD 40r	800	3	A9L40271	7805
	1000	3	A9L40281	8915

Note: Spare / Replacement Cartri_DGes available - For Reference and prices contact nearest sales office or customer care

Surge Arresters for Communication Networks



- Analogue telephone line protection: iPRC surge arrester wired in series to the private installation input, protects the telephones, the modems (including ADSL) etc
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential
- iPRI protects measuring instrument and PLC sensor inputs and the DC power supply inputs up to 53 V and AC power supply inputs up to 37 V

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit LP [₹]
PRI	48 V DC	1	A9L16339	13455
PRC	130 V AC	1	A9L16337	8235

Note: For all above Reference MOQ = 1

Isolator - xSW



- Complies to IEC/EN 60947-3
- Switching duty: AC-22
- Impulse voltage: 6kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Upto 80A Bi connect terminals & 100A to 125A with mono connect terminals

Poles Description	[In] Rated Current (A)	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	40	2	6	A9S2P040	490
	63	2	6	A9S2P063	650
	80	2	6	A9S2P080	770
	100	2	6	A9S2P100	1115
	125	2	6	A9S2P125	1150
3	40	3	4	A9S3P040	855
	63	3	4	A9S3P063	1000
4	40	4	3	A9S4P040	1085
	63	4	3	A9S4P063	1185
	80	4	3	A9S4P080	1665
	100	4	3	A9S4P100	1680
	125	4	3	A9S4P125	1785

Selector Switch - iSSW



- Complies to IEC 60947-5-1 and IEC 60669-1
- Rating 20A, 250V AC
- Electrical life (AC22): 30,000 cycles
- Connection: tunnel terminals cables up to 10 sq. mm

No. of positions	Poles Description	Contacts	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	1	1 C/O	1	12	A9E18070	945
	2	2 C/O	2	6	A9E18071	1305
		1NO + 1NC	1	12	A9E18072	760
3	1	1 C/O	1	12	A9E18073	930
	2	2 C/O	2	6	A9E18074	1575

iRO Buzzers



- Audible indication in housing and the tertiary sector
- Sound level of 70dBA at a distance of 60cm

Voltage	Module Width 18mm/module	Reference	Unit LP [₹]
230V AC	1	A9A15322	370
8..12V AC	1	A9A15323	310

iCT Contactors



- Complies with standards IEC 1095, E N 61095
- 4 operating modes switch on front face :
 - Automatic mode
 - Temporary "ON" mode
 - Permanent "ON" mode
 - Shutdown
- Mechanical contact position Indicator
- Safe installation maintenance: lock the contactor in ON position
- Silent operation (20dB) for entire range

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit LP [₹]
1P	25	1NO	1	A9C20731	1550
	16	2NO	1	A9C22712	1595
2P	25	2NO	1	A9C20732	1905
	40	2NO	2	A9C20842	3265
	63	2NO	2	A9C20862	4170
3P	25	3NO	2	A9C20833	2420
	40	3NO	2	A9C20843	5460
	63	3NO	3	A9C20863	5940
4P	25	4NO	2	A9C20834	2570
	40	4NO	2	A9C20844	5570
	63	4NO	3	A9C20864	6720
	63	2NO + 2NC	3	A9C20868	6720

Note: 100A Contactor in 2P / 4P - available on request

iTL Impulse Relays



- Complies with standards IEC/EN 60669-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-I toggle
- Mechanical contact position Indicator
- Maximum 5 operations/min. and 100 switching operations/day
- Degree of pollution: 3 (suitable for industrial environment)

Type	Rating (A)	Control Voltage	No. of Contacts	Module Width	Reference	Unit LP [₹]
1P	16	230-240 VAC	1NO	1	A9C30811	1000
	32	230-240 VAC	1NO	1	A9C30831	1255
2P	16	230-240 VAC	2NO	1	A9C30812	1645
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3910
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	3130
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	6565
4P	16	230-240 VAC	4NO	2	A9C30814	3415
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	9220

iIL Indicator Lights



- Complies with standard IEC 60947-5-1
- Indicator light with LED technology
- Service life 100,000 hours with constant luminous efficiency

Type	Colour	Module Width 18mm/module	Reference	Unit LP [₹]
Single Indicator light	Red	1	A9E18320	1025
	Green	1	A9E18321	1025
	Blue	1	A9E18323	1025
	Orange	1	A9E18324	1025
3 phase voltage presence light	Red/Red/Red	1	A9E18327	2290
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1525

Note: For all above Reference MOQ = 1

Acti 9

Distribution Boards

Spectacular Design

Blends seamlessly with interiors



Unique Rounded Corners | Color - RAL 9003 white | Designer Rotary Knob

Maximized Wiring Space

Convenient and Safe wiring



Side mounted N-bar and E-bar



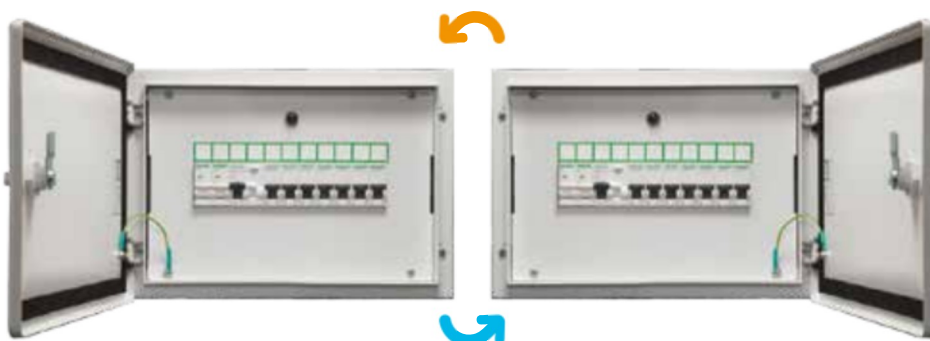
Removed all injurious sharp corners



15% more wiring area | Reduced U-box Collar | Removable Frame, Centre plate & Gland plate

Adaptable

Total Flexibility for ease of installation and usage



Unique 5 holes mounting with positioning hole



Surface and Flush installation | Field fittable key lock provision | Reversible Door

Inspiring the **S.M.A.R.T.** choice!!!

Robust Architecture

Perfect blend of Strength & Weight



High Strength-to-Weight ratio | RoHS and REACH Compliance – ideal solution for GREEN Buildings

Technically Proven

Safety Guaranteed

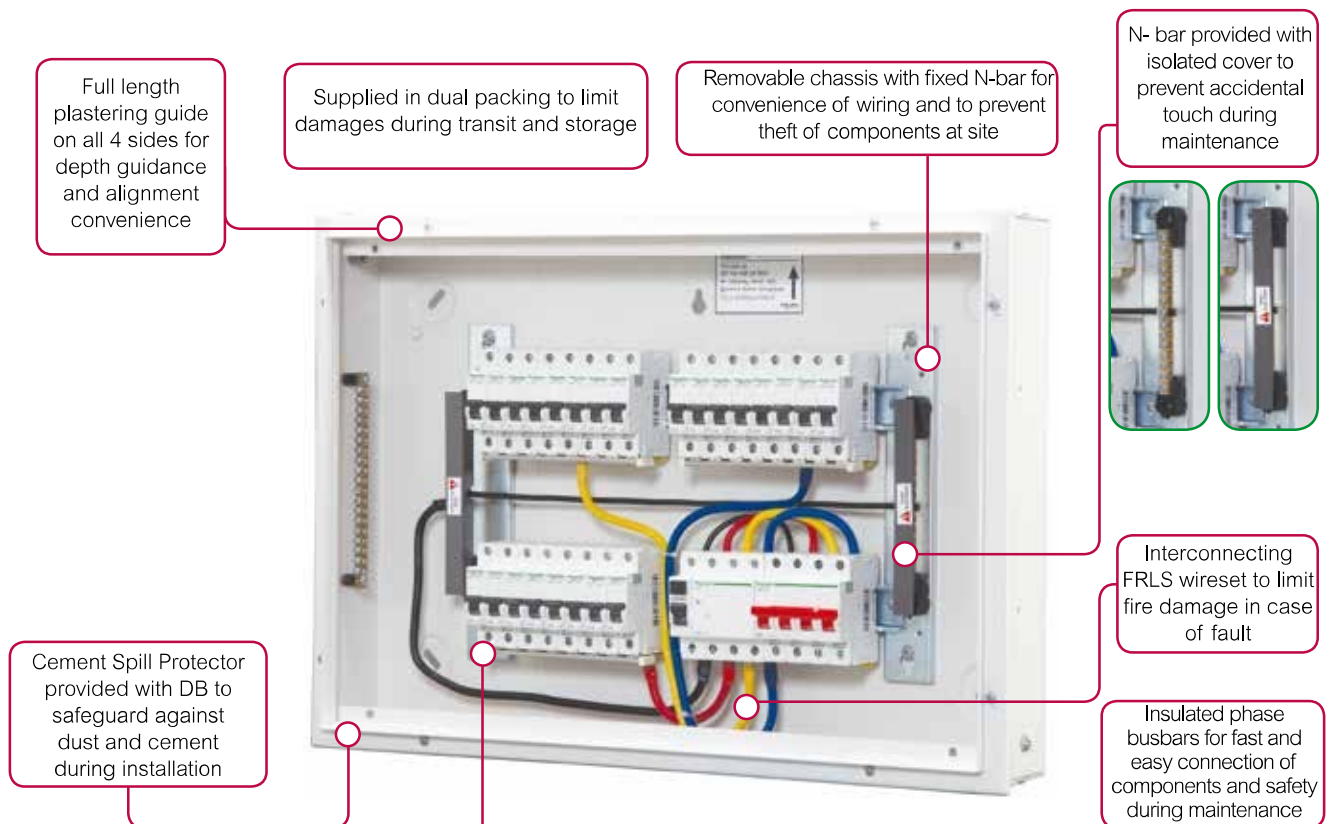
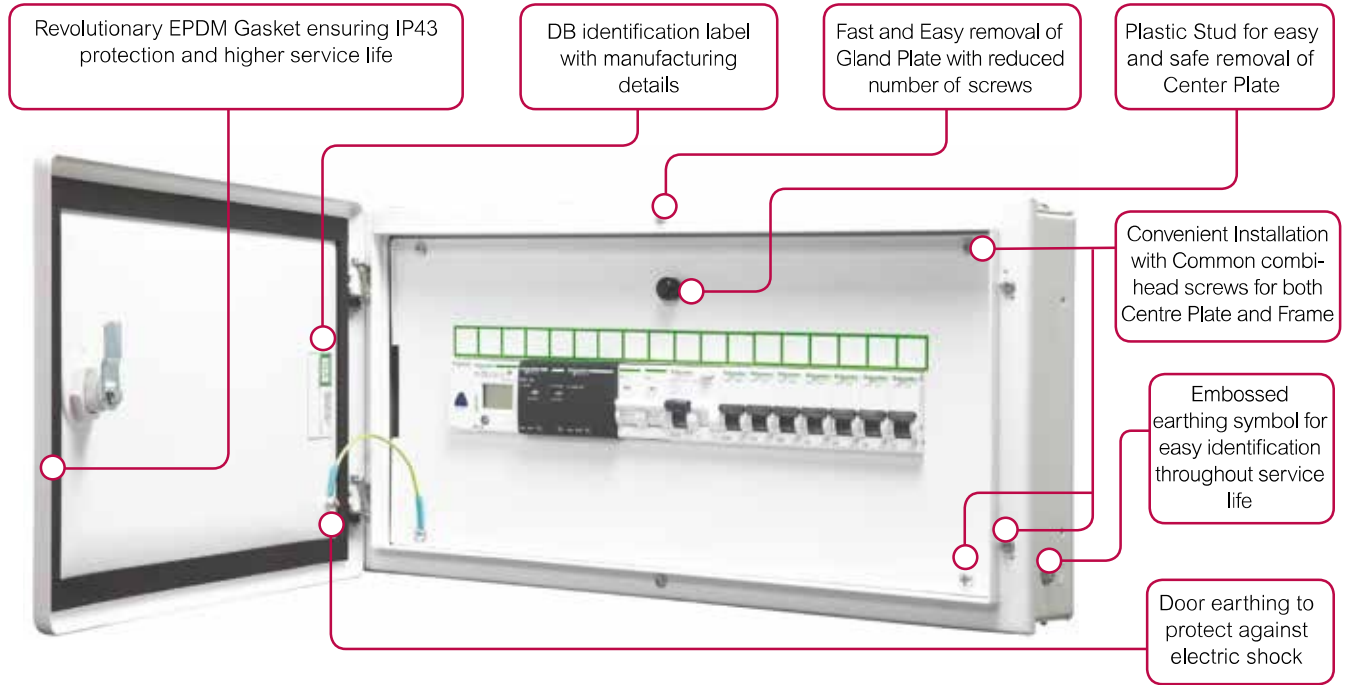


Designed and Manufactured as per IS 8623 - 1&3 | IP and IK test by ERDA & CPRI | Glow wire tested



Acti 9

Distribution Boards



Metal Enclosures



- Metal Enclosure to mount individual Modular Device feeding directly to the load or final distribution board

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
2 way	1 / 2	A9HMES02 <input checked="" type="checkbox"/>	605	-	-
4 way	3 / 4	A9HMES04 <input checked="" type="checkbox"/>	605	-	-

SPN DBs



- SPN DB for distribution of Single Phase Neutral supply to respective load MCBs
- Incomer - DP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
6 way	6	A9HSNS06	1195	A9HSND06 <input checked="" type="checkbox"/>	1695
8 way	8	A9HSNS08 <input checked="" type="checkbox"/>	1485	A9HSND08 <input checked="" type="checkbox"/>	1935
12 way	12	A9HSNS12	1755	A9HSND12 <input checked="" type="checkbox"/>	2325
18 way	18	A9HSNS18	2235	A9HSND18 <input checked="" type="checkbox"/>	3030

TPN DBs



- Standard TPN DBs for distribution of Three Phase and Neutral supply
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs
- TPN DBs can be converted to PPI DB using 'PPI Kit' provided on next page

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
4 way eco	4 + 12	-	-	A9HTND04E <input checked="" type="checkbox"/>	3660
4 way	8 + 12	A9HTNS04	3265	A9HTND04 <input checked="" type="checkbox"/>	3790
6 way	8 + 18	A9HTNS06	4030	A9HTND06 <input checked="" type="checkbox"/>	4720
8 way	8 + 24	A9HTNS08	4735	A9HTND08 <input checked="" type="checkbox"/>	5665
12 way	8 + 36	A9HTNS12	7020	A9HTND12 <input checked="" type="checkbox"/>	8565

Flexi Tier DBs



- Flexi DBs give total flexibility to mount any type and size of Modular devices as per load requirement
- Provided with N-Bar and E-Bar
- Flexi Tier DBs can be converted to PPI DB using 'PPI Kit' provided on next page

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP [₹]	Double Door Metal (IP43) Reference	Unit MRP [₹]
2 Tier 24 Modules	2 x 12	-	-	A9HFD224	4875
3 Tier 36 Modules	3 x 12	-	-	A9HFD336	5860
4 Tier 40 Modules	4 x 10	-	-	A9HFD440 <input checked="" type="checkbox"/>	6195
4 Tier 56 Modules	4 x 14	-	-	A9HFD456 <input checked="" type="checkbox"/>	6520

Per Phase Isolation DBs

- PPI DBs to mount DP Residual Current Device (RCD) at an individual phase level to isolate the faulty phase in case of earth leakage and ensure continuity of supply to other healthy phases
- Incomer - Modular (FP MCB/Isolator) using PPI Kit / MCCB100A (TP/FP Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Sub-Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
12 way	100A MCCB + 6 + 36	-	-	A9HPID12M	12595

PPI Kit (to convert TPN and Flexi Tier DBs to PPI DB)



- Set of accessories to convert TPN DBs and 4 tier Flexi DBs to PPI DB
- Kit is provided with additional required quantity of N-Bar, wire set, Busbars (only for Flexi Tier) and Mounting Kit (only for TPN)

Description	Reference	Unit MRP ₹
PPI Kit for 6way TPN DB (2+4w PPI DB)	A9HKIT04 <input checked="" type="checkbox"/>	2435
PPI Kit for 8way TPN DB (2+6w PPI DB)	A9HKIT06 <input checked="" type="checkbox"/>	2850
PPI Kit for 12way TPN DB (2+10w PPI DB)	A9HKIT10 <input checked="" type="checkbox"/>	3170
PPI Kit for 4T40M Flexi DB (2+8w PPI DB)	A9HKIT08 <input checked="" type="checkbox"/>	5170
PPI Kit for 4T56M Flx DB (2+12w PPI DB)	A9HKIT12 <input checked="" type="checkbox"/>	5715

Phase Segregated DBs



- Phase Segregated DBs to provide total safety for installer and maintenance personnel, by compartmentalizing each Phase and separating Incomer, Sub-Incomer and Outgoing
- Offers better continuity of supply in case of faults during maintenance at DB level.
- Incomer - Modular (FP MCB/Isolator) / MCCB 100A (TP/FP during maintenance Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Sub-incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
6 way	8 + 12 + 18	-	-	A9HPGD06 <input checked="" type="checkbox"/>	11260
8 way	8 + 12 + 24	-	-	A9HPGD08 <input checked="" type="checkbox"/>	12575
12 way	8 + 12 + 36	-	-	A9HPGD12	16050
12 way with MCCB I/c	100A MCCB + 12 + 36	-	-	A9HPGD12M	21075

VTPN DBs for Modular Incomer



- Ideal solution to distribute power supply to both 3 Phase and 1 Phase loads in the same DB
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
4 way	8 + 12	-	-	A9HVTD04 <input checked="" type="checkbox"/>	9525
8 way	8 + 24	-	-	A9HVTD08	12115
12 way	8 + 36	-	-	A9HVTD12	16220

VTPN DBs for MCCB Incomer



- DBs for higher incoming current distribution up to 250A
- Incomer - TP/FP Compact NSX or EasyPact CVS MCCB up to 250A
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
4 way	100A MCCB + 12	-	-	A9HVD04L	10430
8 way	100A MCCB + 24	-	-	A9HVD08L	13220
12 way	100A MCCB + 36	-	-	A9HVD12L	17585
4 way	160A MCCB + 12	-	-	A9HVD04M	11535
8 way	160A MCCB + 24	-	-	A9HVD08M	14350
12 way	160A MCCB + 36	-	-	A9HVD12M	19100
8 way	250A MCCB + 24	-	-	A9HVD08H	24685
12 way	250A MCCB + 36	-	-	A9HVD12H	26025

ComReady DBs



- Designed to house Acti 9 communication system
- Supplied with Double DIN rail, E-Bar and Wire channel.
- Accessories to convert Flexi Tier DB into ComReady DB available on request

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
1 Tier 24 Modules	24	-	-	A9HCRD124	6515
2 Tier 48 Modules	48	-	-	A9HCRD248	10560

Metal Clad P&S Units



- Plug & Socket Unit with Electra Plug & Socket and provision to mount modular protection devices to feed the end load directly

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
10A 1P+N+E P&S	2	A9HMS210	1555	-	-
20A 1P+N+E P&S	2	A9HMS220	1670	-	-
30A 3P+E P&S	4	A9HMS330	3655	-	-

Industrial P&S Units (provision to mount PratiKa Sockets)



- Plug & Socket Unit with provision to mount PratiKa straight / angled* socket and modular protection devices to feed the end load directly

Description	Total Module Cutout	Single Door (IP30) Reference	Unit MRP ₹	Double Door Metal (IP43) Reference	Unit MRP ₹
16A 3P PK P&S	2	A9HKS316	1440	-	-
32A 3P PK P&S	2	A9HKS332	2385	-	-
32A 5P PK P&S	4	A9HKS532	2830	-	-
63A 5P PK P&S	4	A9HKS563	5715	-	-

*upto 32A socket only

Note: For all above Reference MOQ = 1

Locks for Acti 9 DBs



Key Lock

Description	Reference	Unit MRP [₹]
Rotary lock	A9HRL801	415
Key Lock	A9HRL802	415

Accessories for Distribution Boards

Description	Reference	Unit MRP [₹]
Busbars		
Fork Busbar 1P 12MOD. 63A	R9XFH112	495
Fork Busbar 1P 57MOD. 63A	R9XFH157	1135
Fork Busbar 2P 12MOD. 63A	R9XFH212	580
Fork Busbar 2P 57MOD. 63A	R9XFH257	2170
Fork Busbar 3P 12MOD. 63A	R9XFH312	870
Fork Busbar 3P 57MOD. 63A	R9XFH357	4755
Fork Busbar 4P 12MOD. 63A	R9XFH412	1135
Fork Busbar 4P 57MOD. 63A	R9XFH457	4985
Busbar Accessories		
Set of 10 End Caps 1P	R9XE110	425
Set of 10 End Caps 2P	R9XE210	425
Set of 10 End Caps 3P	R9XE310	515
Set of 10 End Caps 4P	R9XE410	535
Set of 4 Connector Fork 63A	R9XFC04	410
Set of 20 Tooth Caps	R9XT20	590
Blanking Plate	13229B	25

Note: Blanking Plate MOQ = 10, All other MOQ = 1

Customized Distribution Boards to Suit Your Need - Available on Request*

- TV/Telephone DBs
- Pre-Wired DBs
- 8 Segment DBs
- Acrylic Door DBs
- IP54/55 DBs
- DBs with Phase Indication Lamps

NeoBreak Distribution Boards

- Zero Error Installation
- IP 43 for Double Door, IP 30 for Single Door
- Independent intermittent shield

Metal Enclosure

Description	Total Modules I/C + O/G	Reference	Unit MRP 📄
1 way	1	NBKPM1 <input checked="" type="checkbox"/>	370
2 way	2	NBKPM2 <input checked="" type="checkbox"/>	370
3 way	3	NBKPM3 <input checked="" type="checkbox"/>	420
4 way	4	NBKPM4 <input checked="" type="checkbox"/>	420

SPN DBs



Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP 📄
SPN 4 way	4	Double door	NBKRENSNDD04 <input checked="" type="checkbox"/>	1265
SPN 6 way	6	Double door	NBKRENSNDD06 <input checked="" type="checkbox"/>	1400
SPN 8 way	8	Double door	NBKRENSNDD08 <input checked="" type="checkbox"/>	1515
SPN 12 way	12	Double door	NBKRENSNDD12 <input checked="" type="checkbox"/>	1840
SPN 16 way	16	Double door	NBKRENSNDD16 <input checked="" type="checkbox"/>	2505
SPN 4 way	4	Single door	NBKRENSNSD04 <input checked="" type="checkbox"/>	815
SPN 6 way	6	Single door	NBKRENSNSD06 <input checked="" type="checkbox"/>	1010
SPN 8 way	8	Single door	NBKRENSNSD08 <input checked="" type="checkbox"/>	1090
SPN 12 way	12	Single door	NBKRENSNSD12 <input checked="" type="checkbox"/>	1285
SPN 16 way	16	Single door	NBKRENSNSD16 <input checked="" type="checkbox"/>	1605

TPN DBs



Description	Total Modules I/C + O/G	door Type	Reference	Unit MRP 📄
TPN 4 way	4+12	Double door	NBKRENTHDD04 <input checked="" type="checkbox"/>	3070
TPN 6 way	4+18	Double door	NBKRENTHDD06 <input checked="" type="checkbox"/>	3860
TPN 8 way	4+24	Double door	NBKRENTHDD08 <input checked="" type="checkbox"/>	4825
TPN 12 way	4+36	Double door	NBKRENTHDD12 <input checked="" type="checkbox"/>	7315
TPN 4 way	4+12	Single door	NBKRENTHSD04	2345
TPN 6 way	4+18	Single door	NBKRENTHSD06	2985
TPN 8 way	4+24	Single door	NBKRENTHSD08	3570
TPN 12 way	4+36	Single door	NBKRENTHSD12	5170

Note: For all above Reference MOQ = 1

NeoBreak Distribution Boards

VTPN DBs for Modular Incomer



Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP ₹
VTPN 4 way	8+12	Double door	NBKRENTVDD04	7930
VTPN 8 way	8+24	Double door	NBKRENTVDD08	9935
VTPN 12 way	8+36	Double door	NBKRENTVDD12	13325
VTPN 4 way	8+12	Single door	NBKRENTVSD04	6040
VTPN 8 way	8+24	Single door	NBKRENTVSD08	8295
VTPN 12 way	8+36	Single door	NBKRENTVSD12	11000

VTPN DBs for MCCB Incomer (Suitable for 3P /4P 100A Easypact EZC MCCB)

Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP ₹
VTPN 4 way	MCCB +12	Double door	NBKRENEZVDD04	9025
VTPN 8 way	MCCB +24	Double door	NBKRENEZVDD08	10935
VTPN 12 way	MCCB +36	Double door	NBKRENEZVDD12	14375

Metal Clad P&S Units



Description	Total Modules I/C + O/G	Reference	Unit MRP ₹
10A SP Plug & Socket	1	NBKRENPSPP10 <input checked="" type="checkbox"/>	975
20A SP plug & Socket	1	NBKRENPSPP20 <input checked="" type="checkbox"/>	1215
20A SPN Plug & Socket	2	NBKRENPSNN20 <input checked="" type="checkbox"/>	1270
20A TP Plug & Socket	3	NBKRENPSPP20 <input checked="" type="checkbox"/>	2410
30A TP Plug & Socket	3	NBKRENPSPP30 <input checked="" type="checkbox"/>	2855

Note: For all above Reference MOQ = 1