



LPA Niphan Systems
PROVIDING SOLUTIONS

www.lpa-niphan.com



FM 01660

Tudor Works,
Debden Road,
Saffron Walden,
Essex, CB11 4AN. UK
Tel: +44 (0)1799 512800
Fax: +44 (0)1799 512828
Email: enquiries@lpa-niphan.com
Website: www.lpa-niphan.com

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LPA Niphan Systems is a trading name of LPA Industries Ltd



LPA Group PLC
PROVIDING SOLUTIONS

Tudor Works, Debden Road,
Saffron Walden,
Essex, CB11 4AN. UK
Tel: +44 (0)1799 512800
Fax: +44 (0)1799 526793
Email: enquiries@lpa-group.com
Website: www.lpa-group.com



LPA Channel Electric
PROVIDING SOLUTIONS

Bath Road, Thatcham,
Berkshire, RG18 3ST. UK
Tel: +44 (0)1635 864866
Fax: +44 (0)1635 869178
Email: enquiries@lpa-channel.com
Website: www.lpa-channel.com



LPA Excil Electronics
PROVIDING SOLUTIONS

Ripley Drive, Normanton,
West Yorkshire, WF6 1QT. UK
Tel: +44 (0)1924 224100
Fax: +44 (0)1924 224111
Email: enquiries@lpa-excil.com
Website: www.lpa-excil.com



LPA Haswell Engineers
PROVIDING SOLUTIONS

Oakwood Business Park,
Stephenson Road West,
Clacton-on-Sea, Essex CO15 4TL. UK
Tel: +44 (0)1255 428424
Fax: +44 (0)1255 432963
Email: enquiries@lpa-haswell.com
Website: www.lpa-haswell.com

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LPA Niphan Systems
PROVIDING SOLUTIONS

NIPHAN STANDARD INDUSTRIAL PLUGS & SOCKETS

MAKING THE RIGHT CONNECTION IN CHALLENGING ENVIRONMENTS

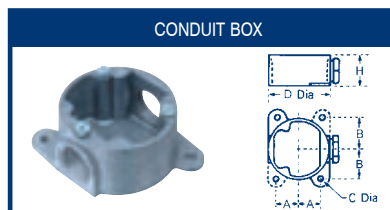
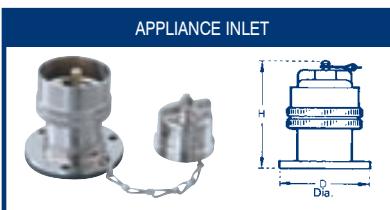
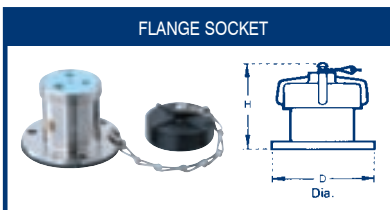
NIPHAN STANDARD INDUSTRIAL PLUGS & SOCKETS

LPA Niphan Systems, part of the fast growing LPA Group Plc, is a designer, manufacturer and distributor of electromechanical solutions for the rail, aerospace, defence, marine, telecom and industrial markets. Established in the 19th century, LPA Niphan employs about 100 people at its plant near Cambridge. LPA Niphan is ISO 9000 certified and committed to the highest standards of quality, reliability, service and environmental responsibility. LPA Niphan has a strong reputation for innovation providing solutions in hostile environments around the world.

PRODUCT FEATURES

- ## PRODUCT FEATURES
- No special tools required
 - Simple installation and maintenance with screw driver
 - Compact and robust
 - Metal clad
 - IP66 rating achievable
 - NATO approved
 - Up to 12 poles, 500v, 500amps
 - Unique pin configurations
 - Guard ring on plug
 - Good fire performance
 - Low smoke and toxicity
 - Can act as fire barrier
 - Halogen and cadmium free
 - Pinch screw terminals
 - Electroless Nickel Plated Brass case work
 - Long life sprung contacts
 - Wide operating temperatures
- GUARD RING PLUG**





INTERLOCKED SWITCH SOCKET OUTLET



- Double Interlocked
- 250 Amp
- 4 Pole & Earth
- Part No NS25054

TYPICAL APPLICATIONS

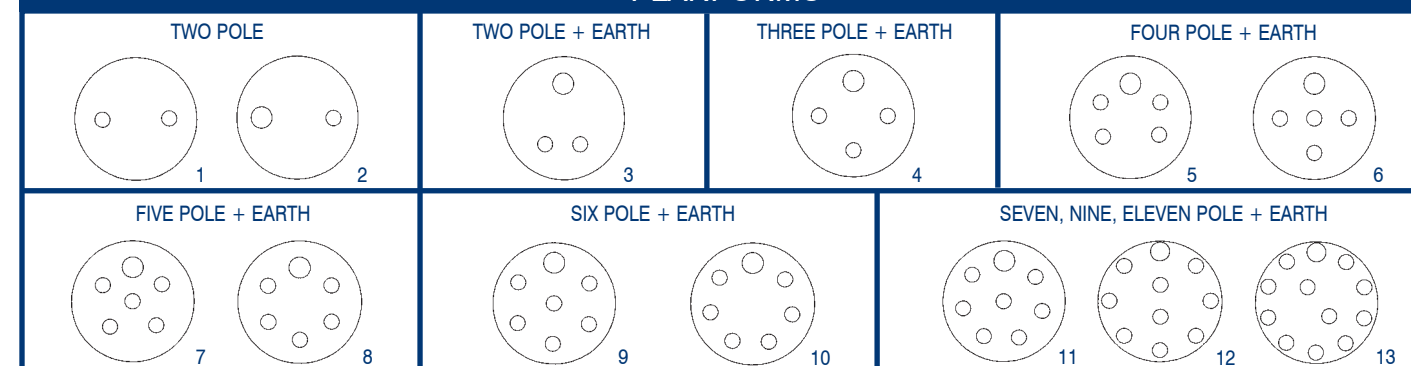
- Hostile environments
- Environments requiring good fire performance
- Metro & underground lighting, ventilation and plant
- Rail vehicles and rail infrastructure
- Tunnel lighting and ventilation equipment
- Military vehicles and equipment
- Marine & offshore installations & equipment
- Port & airport infrastructure
- Dockside cranes
- Temporary power supply
- Shore to ship power supply
- Temporary traffic lights power and control
- Process plant, chemical and food production
- Plant & equipment

NIPHAN STANDARD INDUSTRIAL PLUGS & SOCKETS



Distributor of electromechanical products since the 19th century, LPA Niphan is committed to the highest standards of quality and innovation providing																																			
				GUARD RING PLUG				FLANGE SOCKET								TRAILING SOCKET				APPLIANCE INLET				CONDUIT BOX											
NO OF POLES	VOLTAGE UP TO	PLANFORMS	AMPS	PART NO +	DIMENSIONS			GLAND TYPE *		PART NO +	DIMENSIONS		FIXING HOLES				PART NO +	DIMENSIONS			GLAND TYPE *	PART NO +	DIMENSIONS		FIXING HOLES				PART NO	DIMENSIONS		FIXING HOLES			
					D	L	S				D	H	DIMENSIONS		NO			D	L	S			D	H	DIMENSIONS		NO			D	H	DIMENSIONS		NO	
													d	PCD	STD	BESA									d	PCD	STD	BESA				d	PCD	STD	BESA
2 POLE	50V	2	5	X2P/ODD	26	40	52	A		X2/ODD	38	35	3.2	28.6	3	2	X2J/ODD	23	45	54	A	X2Q/ODD	38	43	3.2	28.6	3	2							
	250V	1#	10	12S#	35	57	69	A		12A#	46	38	4.0	36.5	3	2	12J#	35	57	69	A	12R#	46	51	3.0	36.5	3	2	1274	45	30	5.5	17.5	24.0	
		1#	15	22S#	43	80	92	A		22A#	57	50	5.2	47.6	3	2	22J#	37	70	82	A	22R#	57	70	3.0	47.6	3	2	16302	58	30	5.5	20.0	23.5	
2 POLE + EARTH	50V	3	5	X3P	26	40	52	A		X3A	38	35	3.2	28.6	3	2	X3J	23	45	54	A	X3R	38	43	3.2	28	3	2							
		3	10	13S	35	57	69	A		13A	46	38	4.0	36.5	3	2	13J	35	57	69	A	13R	46	51	4.0	36.5	3	2	1274	45	30	5.5	17.5	24.0	
		3	15	23S	43	80	94	A		23A	57	50	5.2	47.6	3	2	23J	37	70	82	A	23R	57	70	5.2	47.6	3	2	16302	58	30	5.5	20.0	23.5	
		3	15	63S	54	77	89	A		63A	65	54	5.2	54.0	3	2	63J	46	75	87	A	63R	65	76	5.2	54	3	2	2766	65	36	6.5	22	34.5	
		3	30	33S	56	92	102	A		33A	65	59	5.2	54.0	3	2	33J	58	84	98	A	33R	65	76	5.2	54	3	2	2766	65	36	6.5	22	34.5	
		3	50	43S	65	108	120	A		43A	79	70	5.2	66.7	3	N/A	43J	55	80	92	A	43R	78	80	5.2	66.7	3	2	1169	81	40	8	36	36	
	500V	3	60	93S	89	N/A	145	B		93A	96	78	6.6	82.6	3	N/A	93J	73	N/A	137	B	93R	96	90	6.6	82.6	3	N/A	2333	96	59	9.5	38	44.5	
		3	100	53S	89	N/A	180	B		53A	96	96	6.6	82.6	3	N/A	53J	86	N/A	160	B	53R	96	100	6.6	82.6	3	N/A	2333	96	59	9.5	38	44.5	
3 POLE + EARTH	250V	4	10	X4S	35	57	69	A		X4A	46	38	4	36.5	3	2	X4J	37	70	82	A	X4R	46	51	4.0	36.5	3	2	1274	45	30	5.5	17.5	24	
		4	15	64S	54	77	89	A		64A	65	54	5.2	53.4	3	2	64J	46	75	87	A	64R	65	76	5.2	54	3	2	2766	65	36	6.5	22	34.5	
	500V	4	30	74S	56	92	102	A		74A	65	59	5.2	53.4	3	2	74J	58	84	98	A	74R	65	76	5.2	54	3	2	2766	65	36	6.5	22	34.5	
		4	60	94S	89	N/A	145	B		94A	96	96	6.6	82.6	3	N/A	94J	73	N/A	137	B	94R	96	90	6.6	82.6	3	N/A	2333	96	59	9.5	38	44.5	
		4	100	C4S	133	N/A	215	B		C4A	115	100	7.9	96.8	4	N/A	C4J	88	N/A	215	B	C4R	115	132	7.9	96.8	4	N/A	2344	115	69	11	44.5	54	
4 POLE + EARTH	250V	6	10	X5S	43	80	94	A		X5A	57	50	5.2	47.6	3	2	X5J	37	70	82	A	X5R	57	70	5.2	47.6	3	2	16302	58	30	5.5	20	23.5	
		5	15	65S	54	77	89	A		65A	65	54	5.2	54.0	3	2	65J	46	75	87	A	65R	65	76	5.2	54	3	2	2766	65	36	6.5	22	34.5	
		5	15	15P	67	80	92	A		15A	78	57	5.2	66.7	3	N/A	15J	55	80	92	A	15Q	78	53	5.2	66.7	3	N/A	1169	81	40	8	36	36	
		5	30	75S	65	108	120	A		75A	78	70	5.2	66.7	3	N/A	75J	55	88	100	A	75R	78	80	5.2	66.7	3	N/A	1169	81	40	8	36	36	
		5	50	85P	83	N/A	126	B		85A	96	88	6.6	82.6	3	N/A	85J	73	N/A	145	B	85Q	96	90	6.6	82.6	3	N/A	2333	96	59	9.5	38	44.5	
		5	60	95P	121	N/A	162	B		95A	115	83	7.9	96.8	4	N/A	95J	88	N/A	155	B	95Q	115	95	7.9	96.8	4	N/A	2344	115	69	11	44.5	54	
	500V	5	100	C5S	133	N/A	220	B		C5A	126	112	7.9	108	4	N/A	C5J	102	N/A	210	B	C5R	126	132	7.9	108	4	N/A	3658	126	64	11	45	45	
		5	250	N52/05	235	N/A	315	B		N55/05	406	350	11.1	177.8	6	N/A	N/A					N/A						N/A							
5 POLE + EARTH	250V	7	10	X6S	43	80	94	A		X6A	57	50	5.2	47.6	3	2	X6J	37	70	82	A	X6R	57	70	5.2	47.6	3	2	16302	58	30	5.5	20	23.5	
	500V	8	30	76P	83	N/A	126	B		76A	96	88	6.6	82.5	3	N/A	76J	73	N/A	145		76Q	96	92	6.7	82.6	3	2	2333	96	59	9.5	38	44.5	
6 POLE + EARTH	50V	9	10	X7S/24531	43	N/A	82	B		N/A	N/A	N/A	N/A	N/A	N/A	N/A	X7J/16143	43	80	94	A	X7R/16142	57	43	5.2	54	3		16302	58	30	5.5	20	23.5	
	250V	10	10	17P	67	83	93	A		17A	78	57	5.2	66.7	3	N/A	17J	55	80	92	A	17Q	78	53	5.2	66.7	3	N/A	1169	81	40	8	36	36	
	500V	10	30	77P	83	N/A	145	B		77A	96	88	6.6	82.6	3	N/A	77J	73	N/A	145	B	77Q	96	92	6.6	82.6	4	N/A	2333	96	59	9.5	38	44.5	
		10	60	97P	121	N/A	162	B		97A	115	83	7.9	96.8	4	N/A	97J	88	N/A	155	B	97Q	115	95	7.9	96.8	N/A	N/A	2344	115	69	11	44.5	54	
7 POLE + EARTH	250V	11	10	18P	67	83	93	A		18A	78	57	5.2	66.7	3	N/A	18J	55	80	92	A	18Q	78	53	5.2	66.7	3	N/A	1169	81	40	8	36	36	
9 POLE + EARTH		12	10	X10P	67	83	93	A		X10/A	78	57	5.2	66.7	3	N/A	X10J	55	80	92	A	X10Q	78	53	5.2	66.7	3	N/A	1169	81	40	8	36	36	
11 POLE + EARTH		13	10	112P	85	N/A	124	B		112A	96	64	6.6	82.6	3	N/A	112J	73	N/A	118	B	112Q	96	72	6.7	82.6	3	N/A	1169	81	40	8	36	36	

PLANFORMS



NOTES

* Gland Type: A with gland nut B with saddle clamp gland (for this option add suffix 'A36' to 'A' type part number)	d	fixing hole diameter
	#	For Planform 2 add suffix ' /ODD'
	All dimensions shown are in mm	
+ For all poles insulated - ie earth pin not connected to case add suffix ' /INS'	LPA Group plc reserves the right to modify designs and specifications so as to permit the incorporation of technical developments.	
PCD		
		fixing hole pitch centre diameter