

Hypra® IP 66/67-55 - LV 16/32/63/125 A

plastic plugs and sockets

Technical information

IP 66/67-55 conforms to BS EN 60529 and IEC 60529
Icc 10 kA according to BS EN 60309-1 and IEC 60309-1
Stainless steel external screws - Nickel plated brass contacts
IK according to BS EN 62262 and IEC 62262 : plastic = IK 09

Wiring tested according to BS EN 60309-1

Type	Current	Conductors size (mm ²)	Conductors type
Plugs and mobile sockets	LV 16 A	1 to 2.5	Flexible
	LV 32 A	2.5 to 6	Flexible
	LV 63 A	6 to 16	Flexible
	LV 125 A	16 to 50	Flexible
Panel and surface mounting sockets	LV 16 A	1.5 to 4	Rigid
	LV 32 A	2.5 to 10	Rigid
	LV 63 A	6 to 25	Rigid
	LV 125 A	25 to 70	Rigid

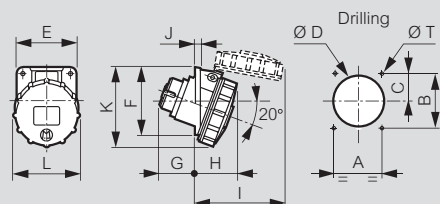
Tightening torque of connection screws

LV 16 A : from 0.7 to 1 Nm
LV 32 A : from 0.7 to 1 Nm
LV 63 A : from 2 to 2.2 Nm for Phase and Earth
from 0.7 to 1 Nm for pilot
LV 125 A : from 3 to 4 Nm for Phase and Earth
from 0.7 to 1 Nm for pilot

Dimensions

Panel mounting sockets IP 66/67-55

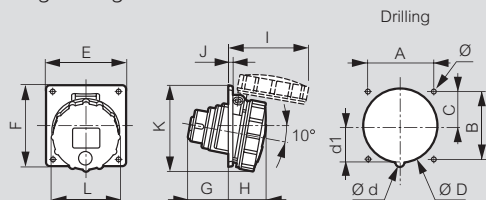
LV 16 A (p. 169)



	Weight (kg)	Drilling (mm)					Dimensions (mm)									
LV 16 A		A	B	C	ØD	ØT	E	F	G	H	I	J	K	L		
2 P + ±	0.140	52	60	33	55	4.2	64	72	40	45	91	5.5	87	72.5		
3 P + ±	0.165	60	70	39	63.5	5.2	74	84	41	48	102	5.5	96	81		
3 P + N + ±	0.195	60	70	37	70.6	5.2	80	84	42	50	106	5.5	96	86.5		

LV 16/32 A with modular fixings (p. 169-170)

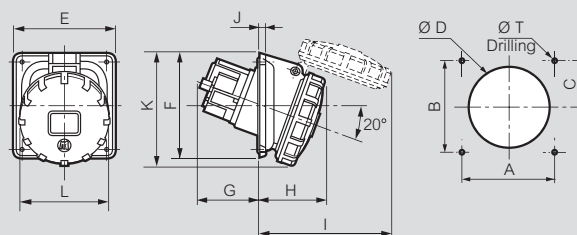
Single fixing centres



	Weight (kg)	Drilling (mm)							Dimensions (mm)									
LV 16 A		A	B	C	ØD	Ød	d1		E	F	G	H	I	J	K	L	Ø	
2 P + ±	0.140	70	70	35	76.2	-	-		84	84	42	39	83	4.5	90	72.5	4.2	
3 P + ±	0.165	70	70	35	76.2	-	-		84	84	43	41	98	4.5	93	81	4.2	
3 P + N + ±	0.195	70	70	35	76.2	-	-		84	84	43	41	99	4.5	91	86.5	4.2	
LV 32 A																		
2 P + ±	0.240	70	70	35	76.2	-	-		84	94	54	50	113	4.5	101	94.5	4.2	
3 P + ±	0.240	70	70	35	76.2	-	-		84	94	54	50	113	4.5	101	94.5	4.2	
3 P + N + ±	0.270	70	70	35	76.2	8	36		84	94	54	51	120	4.5	103	101	4.2	

Panel mounting sockets IP 66/67-55

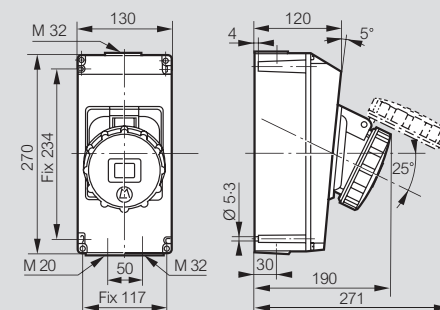
LV 63/125 A (p. 170)



	Weight (kg)	Drilling (mm)					Dimensions (mm)									
LV 63 A		A	B	C	ØD	ØT	E	F	G	H	I	J	K	L		
3 P + ±	0.71	77	85	42.5	92	6.5	106	106	98	79	158	6	127	113.5		
3 P + N + ±	0.77	77	85	42.5	92	6.5	106	106	98	79	158	6	127	113.5		
LV 125 A																
3 P + ±	1.40	124	124	62	120	6.5	146	146	84	93	182	8	157	131		
3 P + N + ±	1.55	124	124	62	120	6.5	146	146	84	93	182	8	157	131		

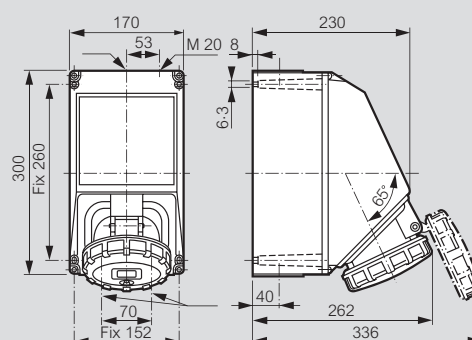
Surface mounting sockets IP 66/67-55

LV 63 A (p. 170)



	Weight (kg)
LV 63 A	
3 P + ±	1.65
3 P + N + ±	1.70

LV 125 A (p. 170)



	Weight (kg)
LV 125 A	
3 P + ±	3.5
3 P + N + ±	3.7

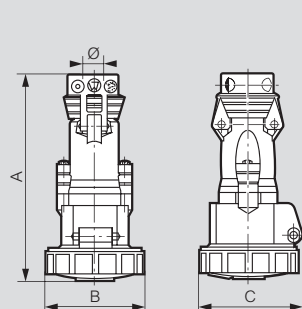
Hypra® IP 66/67-55 - LV 16/32/63/125 A

plastic plugs and sockets (continued)

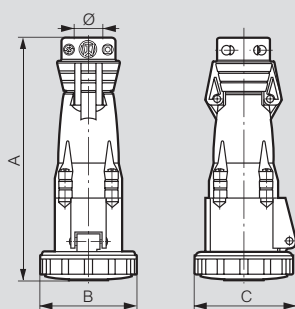
■ Dimensions (continued)

Mobile sockets IP 66/67-55

LV 16/32 A (p. 169-170)

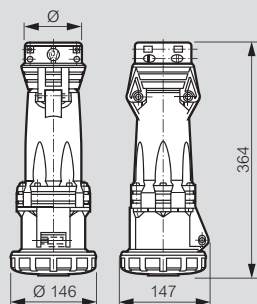


LV 63 A¹ (p. 170)



	Material	Weight (kg)	Dimensions (mm)			Ø Clamping and grip (mm)
			A	B	C	
LV 16 A						
2 P + ⊥	Plastic	0-180	150	72-5	75-5	8 to 15
3 P + ⊥	Plastic	0-215	154	81	86	8 to 15
3 P + N + ⊥	Plastic	0-275	189	86-5	89	10 to 18
LV 32 A						
2 P + ⊥	Plastic	0-320	179	94-5	99	10 to 18
3 P + ⊥	Plastic	0-320	179	94-5	99	12 to 22
3 P + N + ⊥	Plastic	0-375	185	101	106	12 to 22
LV 63 A						
3 P + ⊥	Plastic	0-850	278	113-5	119	18-5 to 29
3 P + N + ⊥	Plastic	0-910	278	113-5	119	20-5 to 32

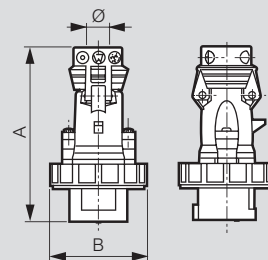
LV 125 A¹ (p. 170)



	Weight (kg)	Ø Clamping and grip (mm)
LV 125 A		
3 P + ⊥	1-8	24 to 48
3 P + N + ⊥	2-0	28 to 48

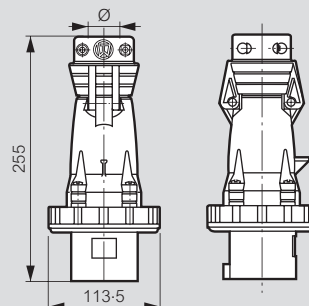
Straight plugs IP 66/67-55

LV 16/32 A (p. 169-170)



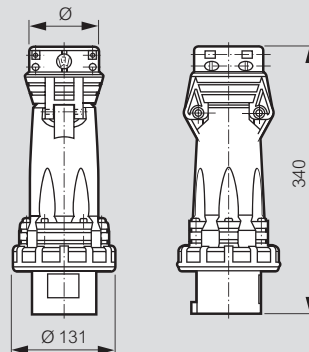
	Weight (kg)	A (mm)	B (mm)	Ø Clamping and grip (mm)
LV 16 A				
2 P + ⊥	0-165	135	72-5	8 to 15
3 P + ⊥	0-195	139	81	8 to 15
3 P + N + ⊥	0-220	154	86-5	10 to 18
LV 32 A				
2 P + ⊥	0-280	164	94-5	10 to 18
3 P + ⊥	0-280	164	94-5	12 to 22
3 P + N + ⊥	0-325	170	101	12 to 22

LV 63 A (p. 170)



	Weight (kg)	Ø Clamping and grip (mm)
LV 63 A		
3 P + ⊥	0-680	18-5 to 29
3 P + N + ⊥	0-750	20-5 to 32

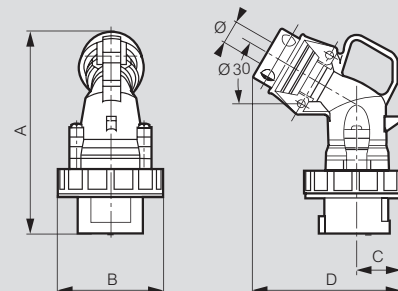
LV 125 A (p. 170)



	Weight (kg)	Ø Clamping and grip (mm)
LV 125 A		
3 P + ⊥	1-54	24 to 48
3 P + N + ⊥	1-7	28 to 48

Angled plugs IP 66/67-55

LV 16/32 A (p. 169-170)



	Weight (kg)	Dimensions (mm)				Ø Clamping and grip (mm)
A	B	C	D			
LV 16 A						
2 P + ⊥	0-165	136	72-5	29-5	100	8 to 15
3 P + ⊥	0-195	141	81	33-5	105	8 to 15
3 P + N + ⊥	0-220	150	86-5	37-5	114	10 to 18
LV 32 A						
2 P + ⊥	0-280	161	94-5	39-5	116	10 to 18
3 P + ⊥	0-280	161	94-5	39-5	116	12 to 22
3 P + N + ⊥	0-325	167	101	44-5	122	12 to 22

1 : Wiring diagram for 63 A and 125 A shown on p. 173

Hypra® IP 66/67-55 - LV 16/32/63 A

surface mounting and through entry back boxes

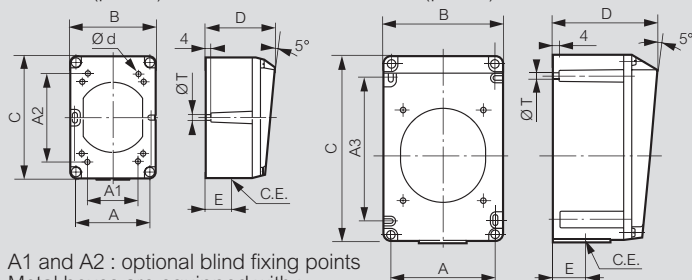
■ Dimensions

Surface mounting boxes

Reversible boxes for surface mounting sockets
Boxes can be rotated to aid entry

LV 16 A (p. 169)

LV 32 A (p. 170)



A1 and A2 : optional blind fixing points

Metal boxes are equipped with :

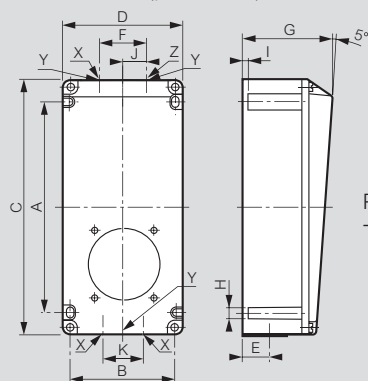
- 2 internal linked earth terminals and 1 external earth terminal
- 1 tulip earth pin connection between base and cover

Back boxes → Panel mounting sockets ↓	Material	Weight (kg)	Fixings (mm)					Dimensions (mm)					C.E.
			A1	A2	ød	A	A3	ØT	B	C	D	E	
LV 16 A													
2 P + ⊕	Plastic	0.115	51	68	4.2	64	—	5.3	74	106	58	20	M20
3 P + ⊕	Plastic	0.160	68	68	4.2	85	—	5.3	96	122	60	22	M20
3 P + N + ⊕	Plastic	0.160	68	68	4.2	85	—	5.3	96	122	60	22	M20
LV 32 A													
2 P + ⊕ / 3 P + ⊕	Plastic	0.340	—	—	—	90	125	5.3	102	162	90	26	M25
3 P + N + ⊕													

Through entry surface mounting boxes

Reversible boxes for surface mounting through entry sockets

LV 16 to 63 A (p. 169-170)



Plastic box equipped with :
- 2 internal linked earth terminals

Back boxes → Panel mounting sockets ↓	Material	Weight (kg)	Fixings (mm)					Dimensions (mm)												
			A	B	H	C	D	E	F	G	I	J	K	X	Y	Z				
16 A																				
2 P + ⊕	Plastic	0.330	145	74	5.3	182	86	22	34	75	4	—	—	—	—	M20	—			
3 P + ⊕	Plastic	0.440	175	88	5.3	212	100	22	40	77	4	—	—	—	—	M20	—			
3 P + N + ⊕	Plastic	0.440	175	88	5.3	212	100	22	40	77	4	—	—	—	—	M20	—			
32 A																				
2 P + ⊕	Plastic	0.670	234	117	5.3	270	130	30	50	120	4	—	—	—	—	M25	—			
3 P + ⊕	Plastic	0.670	234	117	5.3	270	130	30	50	120	4	—	—	—	—	M25	—			
3 P + N + ⊕	Plastic	0.670	234	117	5.3	270	130	30	50	120	4	—	—	—	—	M25	—			
63 A																				
3 P + ⊕	Plastic	2.000	260	152	6.3	300	170	40	—	150	8	50	70	M32	—	M20				
3 P + N + ⊕	Plastic	2.000	260	152	6.3	300	170	40	—	150	8	50	70	M32	—	M20				

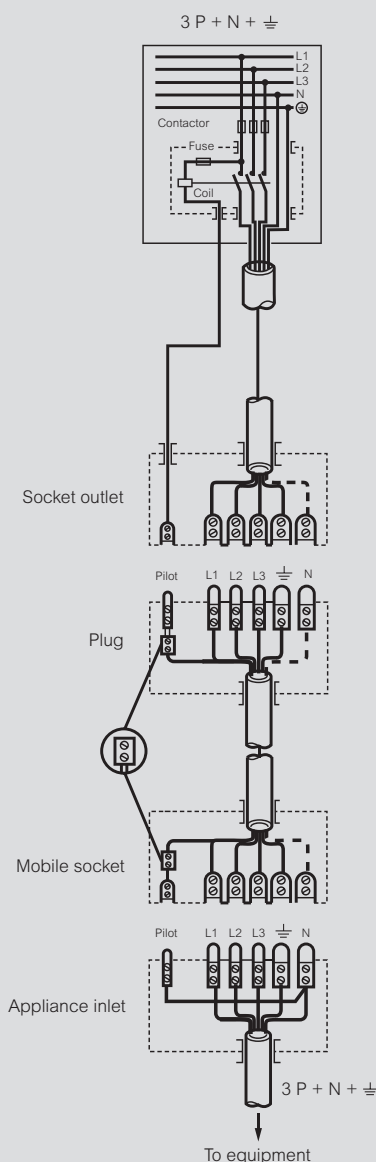
Note : Through entry boxes provide extra wiring space but not looping terminals

Hypra® IP 66/67-55 - LV 63 and 125 A

pilot pin connection

■ Example of 63/125 A 3 P + ⊕ and 3 P + N + ⊕ pilot pin connection

The pilot pin enables the load to be removed prior to the separation of the phase pins, when the circuit is routed via a contactor



The pilot pin connection accepts 2.5-6 mm² flexible or up to 10 mm² rigid conductor. It is the small centre pin in the connection

■ Pilot cabling

	63 A	Conductors type
Plugs and mobile sockets	2.5 to 6	Flexible
Surface and panel mounting sockets	2.5 to 10	Rigid