

Plugs and sockets for special applications

OPTIMA-METAL Series - Industrial connectors

ALUMINIUM versions [lever closing] >> HDAL250 Type - Max 250A - Up to 1.000V

OPTIMA-METAL Series

899.



Socket

IP	Current	Poles	Volt	Cable section	SOCKET		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AL2DE350V ^[1]	1	
				70 mm ²	899.AL2DE370 ^[2]	1	
				95 mm ²	899.AL2DE395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AL2DE450V ^[1]	1	
				70 mm ²	899.AL2DE470 ^[2]	1	

^[1] Screw terminals

^[2] Crimp terminals

OPTIMA-METAL Series

899.



Angled plug 60°

IP	Current	Poles	Volt	Cable section	PLUG		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AL2PR350V ^[1]	1	
				70 mm ²	899.AL2PR370 ^[2]	1	
				95 mm ²	899.AL2PR395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AL2PR450V ^[1]	1	
				70 mm ²	899.AL2PR470 ^[2]	1	

^[1] Screw terminals

^[2] Crimp terminals

ALUMINIUM versions [lever closing] >> HDAL250 Type - Max 250A - Up to 1.000V

OPTIMA-METAL Series

899.



Connector

IP	Current	Poles	Volt	Cable section	CONNECTOR		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AL2CE350VS ^[1]	1	
				70 mm ²	899.AL2CE370S ^[2]	1	
				95 mm ²	899.AL2CE395S ^[2]	1	
		3P+N+E		50-70 mm ²	899.AL2CE450VS ^[1]	1	
				70 mm ²	899.AL2CE470S ^[2]	1	

^[1] Screw terminals

^[2] Crimp terminals



APPLICATION EXAMPLE

1.4



Plugs and sockets for special applications

OPTIMA-METAL Series - Industrial connectors

ALUMINIUM versions [lever closing] >> HDAL500 Type - Max 570A - Up to 1.000V

OPTIMA-METAL Series

899.



Socket

IP	Current	Poles	Volt	Cable section	SOCKET	
IP67	320A	3P+E	1000V	95 mm ²	899.AL5DE395	1
		3P+N+E		120 mm ²	899.AL5DE412	1
				150 mm ²	899.AL5DE415	1
	370A			95 mm ²	899.AL5DE495	1
		3P+E		120 mm ²	899.AL5DE312	1
				150 mm ²	899.AL5DE315	1
	420A			3P+N+E	185 mm ²	899.AL5DE318
		150 mm ²			899.AL5DE415-16	1
	500A	185 mm ²			899.AL5DE418-16	1
	570A	3P+E		240 mm ²	899.AL5DE324-18	1

- Crimp terminals

OPTIMA-METAL Series

899.



Angled plug 60°

IP	Current	Poles	Volt	Cable section	PLUG	
IP67	320A	3P+E	1000V	95 mm ²	899.AL5PR395	1
		3P+N+E		120 mm ²	899.AL5PR412	1
				150 mm ²	899.AL5PR415	1
	370A	3P+E		95 mm ²	899.AL5PR495	1
				120 mm ²	899.AL5PR312	1
				150 mm ²	899.AL5PR315	1
	420A	3P+N+E		185 mm ²	899.AL5PR318	1
				150 mm ²	899.AL5PR415-16	1
	500A	185 mm ²		899.AL5PR418-16	1	
	570A	3P+E		240 mm ²	899.AL5PR324-18	1

- Crimp terminals

ALUMINIUM versions [lever closing] >> HDAL500 Type - Max 570A - Up to 1.000V

OPTIMA-METAL Series

899.



Straight plug

IP	Current	Poles	Volt	Cable section	PLUG	
IP67	320A	3P+E	1000V	95 mm ²	899.AL5PR395S	1
		3P+N+E		120 mm ²	899.AL5PR412S	1
				150 mm ²	899.AL5PR415S	1
	370A	3P+E		95 mm ²	899.AL5PR495S	1
				120 mm ²	899.AL5PR312S	1
				150 mm ²	899.AL5PR315S	1
	420A	3P+N+E		185 mm ²	899.AL5PR318S	1
				150 mm ²	899.AL5PR415S-16	1
	500A	3P+E		185 mm ²	899.AL5PR418S-16	1
	570A	3P+E		240 mm ²	899.AL5PR324S-18	1

- Crimp terminals

OPTIMA-METAL Series

899.



Connector

IP	Current	Poles	Volt	Cable section	CONNECTOR	
IP67	320A	3P+E	1000V	95 mm ²	899.AL5CE395S	1
		3P+N+E		120 mm ²	899.AL5CE412S	1
				150 mm ²	899.AL5CE415S	1
	370A	3P+E		95 mm ²	899.AL5CE495S	1
				120 mm ²	899.AL5CE312S	1
				150 mm ²	899.AL5CE315S	1
	420A	3P+N+E		185 mm ²	899.AL5CE318S	1
				150 mm ²	899.AL5CE415S-16	1
	500A	3P+E		185 mm ²	899.AL5CE418S-16	1
	570A	3P+E		240 mm ²	899.AL5CE324S-18	1

- Crimp terminals

1.4



Plugs and sockets for special applications

OPTIMA-METAL Series - Industrial connectors

■ ALUMINIUM versions [lever closing] >> HDAL800 Type - Max 800A - Up to 1.000V

OPTIMA-METAL Series

899.



Socket

IP	Current	Poles	Volt	Cable section	SOCKET	
IP67	570A	3P+E	1000V	240 mm ²	899.AL8DF324	1
		3P+N+E			899.AL8DF424	1
	800A	3P+E		300 mm ²	899.AL8DF330	1
		3P+N+E			899.AL8DF430	1

- Crimp terminals

OPTIMA-METAL Series

899.



Straight plug

IP	Current	Poles	Volt	Cable section	PLUG	
IP67	570A	3P+E	1000V	240 mm ²	899.AL8PM324S	1
		3P+N+E			899.AL8PM424S	1
	800A	3P+E		300 mm ²	899.AL8PM330S	1
		3P+N+E			899.AL8PM430S	1

- Crimp terminals

ALUMINIUM versions [lever closing] >> HDAL800 Type - Max 800A - Up to 1.000V

					OPTIMA-METAL Series	
					899.	
						
					Connector	
IP	Current	Poles	Volt	Cable section	CONNECTOR	
IP67	570A	3P+E	1000V	240 mm²	899.AL8CF324S	1
		3P+N+E			899.AL8CF424S	1
	800A	3P+E		300 mm²	899.AL8CF330S	1
		3P+N+E			899.AL8CF430S	1
- Crimp terminals						

ALUMINIUM versions [lever closing]

			OPTIMA-METAL Series	
			899.	
				
Description	Notes	IP	Accessories	
PLUG CAP	HDAL250	IP67	899.AL2PC	1
	HDAL500		899.AL5PC	1
	HDAL800		899.AL8PC	1

1.4

Plugs and sockets for special applications
OPTIMA-METAL Series - Industrial connectors

■ ALUMINIUM versions [screw closing] >> HDAS250 Type - Max 250A - Up to 1.000V

					OPTIMA-METAL Series		
					899.		
							
					Socket		
IP	Current	Poles	Volt	Cable section	SOCKET		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AS2DE350V ^[1]	1	
				70 mm ²	899.AS2DE370 ^[2]	1	
				95 mm ²	899.AS2DE395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AS2DE450V ^[1]	1	
				70 mm ²	899.AS2DE470 ^[2]	1	
					^[1] Screw terminals		
					^[2] Crimp terminals		

					OPTIMA-METAL Series		
					899.		
							
					Straight plug		
IP	Current	Poles	Volt	Cable section	PLUG		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AS2PR350V ^[1]	1	
				70 mm ²	899.AS2PR370 ^[2]	1	
				95 mm ²	899.AS2PR395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AS2PR450V ^[1]	1	
				70 mm ²	899.AS2PR470 ^[2]	1	
					^[1] Screw terminals		
					^[2] Crimp terminals		

ALUMINIUM versions [screw closing] >> HDAS250 Type - Max 250A - Up to 1.000V

					OPTIMA-METAL Series		
					899.		
							
					Appliance inlet		
IP	Current	Poles	Volt	Cable section	APPLIANCE INLET		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AS2AR350V ^[1]	1	
				70 mm ²	899.AS2AR370 ^[2]	1	
				95 mm ²	899.AS2AR395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AS2AR450V ^[1]	1	
				70 mm ²	899.AS2AR470 ^[2]	1	
					^[1] Screw terminals		
					^[2] Crimp terminals		

					OPTIMA-METAL Series		
					899.		
							
					Connector		
IP	Current	Poles	Volt	Cable section	CONNECTOR		
IP67	250A	3P+E	1000V	50-70 mm ²	899.AS2CE350V ^[1]	1	
				70 mm ²	899.AS2CE370 ^[2]	1	
				95 mm ²	899.AS2CE395 ^[2]	1	
		3P+N+E		50-70 mm ²	899.AS2CE450V ^[1]	1	
				70 mm ²	899.AS2CE470 ^[2]	1	
					^[1] Screw terminals		
					^[2] Crimp terminals		

1.4

Plugs and sockets for special applications

OPTIMA-METAL Series - Industrial connectors

ALUMINIUM versions [screw closing] >> HDAS500 Type - Max 570A - Up to 1.000V

OPTIMA-METAL Series

899.



Socket

IP	Current	Poles	Volt	Cable section	SOCKET	
IP67	320A	3P+E	1000V	95 mm ²	899.AS5DE395	1
		3P+N+E		120 mm ²	899.AS5DE412	1
				150 mm ²	899.AS5DE415	1
	370A	3P+E		95 mm ²	899.AS5DE495	1
				120 mm ²	899.AS5DE312	1
				150 mm ²	899.AS5DE315	1
	420A	3P+N+E		185 mm ²	899.AS5DE318	1
				150 mm ²	899.AS5DE415-16	1
	500A	3P+N+E		185 mm ²	899.AS5DE418-16	1
	570A	3P+E		240 mm ²	899.AS5DE324-18	1

- Crimp terminals

OPTIMA-METAL Series

899.



Straight plug

IP	Current	Poles	Volt	Cable section	PLUG	
IP67	320A	3P+E	1000V	95 mm ²	899.AS5PR395	1
		3P+N+E		120 mm ²	899.AS5PR412	1
				150 mm ²	899.AS5PR415	1
	370A	3P+E		95 mm ²	899.AS5PR495	1
				120 mm ²	899.AS5PR312	1
				150 mm ²	899.AS5PR315	1
	420A	3P+N+E		185 mm ²	899.AS5PR318	1
				150 mm ²	899.AS5PR415-16	1
	500A	185 mm ²		899.AS5PR418-16	1	
	570A	3P+E		240 mm ²	899.AS5PR324-18	1

- Crimp terminals

ALUMINIUM versions [screw closing] >> HDAS500 Type - Max 570A - Up to 1.000V

OPTIMA-METAL Series

899.



Appliance inlet

IP	Current	Poles	Volt	Cable section	APPLIANCE INLET	
IP67	320A	3P+E	1000V	95 mm ²	899.AS5AR395	1
		3P+N+E		120 mm ²	899.AS5AR412	1
				150 mm ²	899.AS5AR415	1
	370A	3P+E		95 mm ²	899.AS5AR495	1
				120 mm ²	899.AS5AR312	1
				150 mm ²	899.AS5AR315	1
	420A	3P+N+E		185 mm ²	899.AS5AR318	1
				150 mm ²	899.AS5AR415-16	1
	500A	3P+N+E		185 mm ²	899.AS5AR418-16	1
	570A	3P+E		240 mm ²	899.AS5AR324-18	1

- Crimp terminals

OPTIMA-METAL Series

899.



Connector

IP	Current	Poles	Volt	Cable section	CONNECTOR	
IP67	320A	3P+E	1000V	95 mm ²	899.AS5CE395	1
		3P+N+E		120 mm ²	899.AS5CE412	1
				150 mm ²	899.AS5CE415	1
	370A	3P+E		95 mm ²	899.AS5CE495	1
				120 mm ²	899.AS5CE312	1
				150 mm ²	899.AS5CE315	1
	420A	3P+N+E		185 mm ²	899.AS5CE318	1
				150 mm ²	899.AS5CE415-16	1
	500A	3P+N+E		185 mm ²	899.AS5CE418-16	1
	570A	3P+E		240 mm ²	899.AS5CE324-18	1

- Crimp terminals

1.4



Plugs and sockets for special applications

OPTIMA-METAL Series - Industrial connectors

ALUMINIUM versions [screw closing] >> HDAS800 Type - Max 800A - Up to 1.000V

OPTIMA-METAL Series

899.



Socket

IP	Current	Poles	Volt	Cable section	SOCKET	
IP67	570A	3P+E	1000V	240 mm ²	899.AS8DF324	1
		3P+N+E			899.AS8DF424	1
	800A	3P+E		300 mm ²	899.AS8DF330	1
		3P+N+E			899.AS8DF430	1

- Crimp terminals

OPTIMA-METAL Series

899.



Straight plug

IP	Current	Poles	Volt	Cable section	PLUG	
IP67	570A	3P+E	1000V	240 mm ²	899.AS8PM324	1
		3P+N+E			899.AS8PM424	1
	800A	3P+E		300 mm ²	899.AS8PM330	1
		3P+N+E			899.AS8PM430	1

- Crimp terminals

ALUMINIUM versions [screw closing] >> HDAS800 Type - Max 800A - Up to 1.000V

					OPTIMA-METAL Series	
					899.	
						
					Appliance inlet	
IP	Current	Poles	Volt	Cable section	APPLIANCE INLET	
IP67	570A	3P+E	1000V	240 mm²	899.AS8AM324	1
		3P+N+E			899.AS8AM424	1
	800A	3P+E		300 mm²	899.AS8AM330	1
		3P+N+E			899.AS8AM430	1
- Crimp terminals						

					OPTIMA-METAL Series	
					899.	
						
					Connector	
IP	Current	Poles	Volt	Cable section	CONNECTOR	
IP67	570A	3P+E	1000V	240 mm²	899.AS8CF324	1
		3P+N+E			899.AS8CF424	1
	800A	3P+E		300 mm²	899.AS8CF330	1
		3P+N+E			899.AS8CF430	1
- Crimp terminals						

1.4

Plugs and sockets for special applications
OPTIMA-METAL Series - Industrial connectors

ALUMINIUM versions [screw closing]

OPTIMA-METAL Series

899.



Description	Notes	IP	Accessories	
CAP	HDAS250	IP67	899.AS2PC	1
	HDAS500		899.AS5PC	1
	HDAS800		899.AS8PC	1