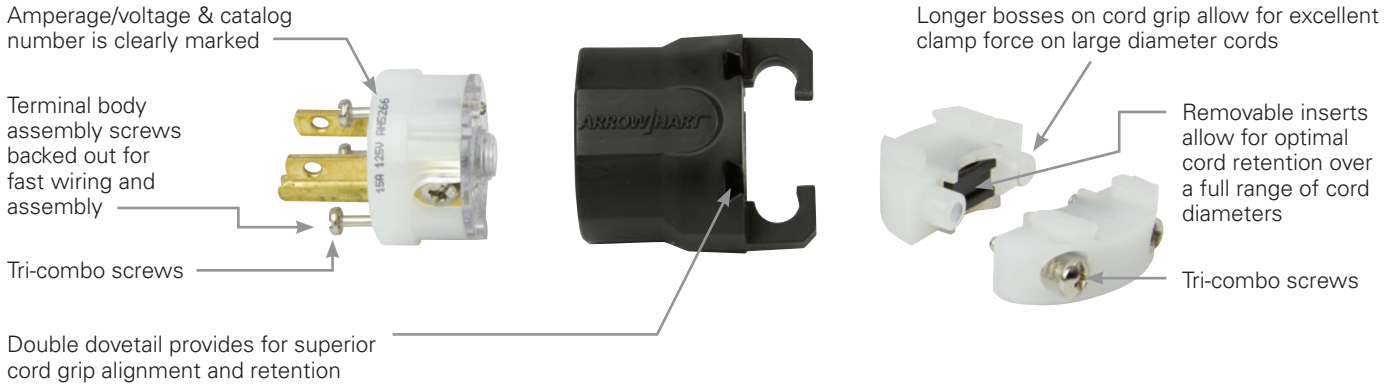


Industrial grade locking plugs and connectors

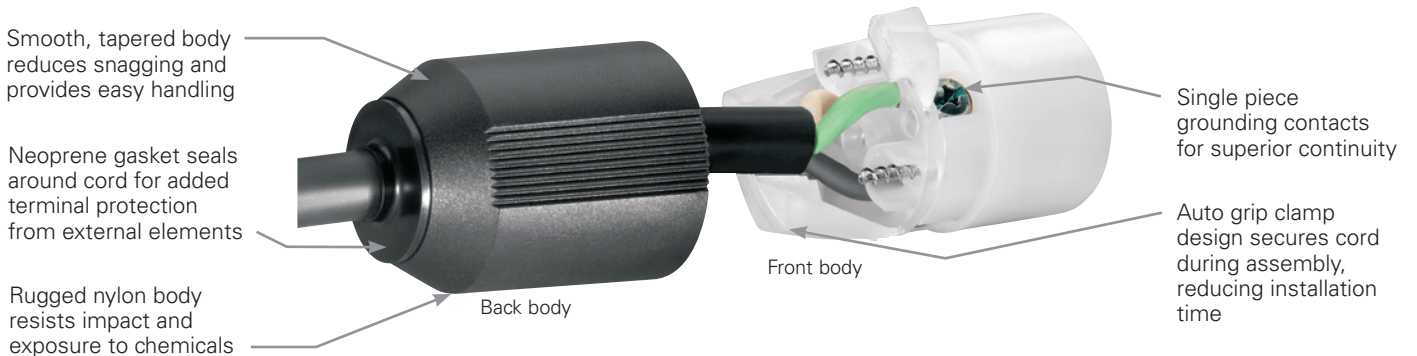
Rugged, quality locking devices for any application

Superior design and performance make Arrow Hart's hart lock devices the ideal choice for industrial applications. Available in a wide range of NEMA and Non-NEMA configurations

Ultra grip straight blade plugs & connectors redesign features & benefits



Auto grip hospital and industrial grade plugs & connectors features & benefits



Retained quick drive assembly screws speed installation



Multiple-head drive screws provide versatility for ease of use



Tapered, individual wire pockets guide stranded wire into contact area for ease of installation

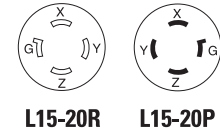
Compliances, specifications and availability are subject to change without notice.

www.eaton.com
www.arrowhart.com

Hart lock industrial grade 20A locking devices

Product description

3-pole, 4-wire grounding
20A, 3Ø 250V/AC
NEMA L15-20



AHL1520P



AHL1520C



AHL1520R

Industrial grade plugs & connectors

Rating A	V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.		
20	250	L15-20	3Ø ultra grip straight body	0.38-1.16" (9.5-29.4mm)	BK & W	□ AHL1520P	□ AHL1520C	•	•

Industrial grade receptacles

Rating A	V/AC	NEMA	Description	Color	Single receptacle		
20	250	L15-20	3Ø standard industrial	BK	□ AHL1520R ^a	•	•
			3Ø isolated ground	RN	□ IGL1520R*	•	•

*Not Fed Spec, ^aNot NOM cert

Industrial grade flanged inlets & outlets

Rating A	V/AC	NEMA	Description	Color	Flanged inlet	Flanged outlet		
20	250	L15-20	3Ø standard industrial	BK	□ AHL1520FI	—	•	•
			3Ø standard industrial	BK & W	—	□ AHL1520FO ^{††}	•	•

^{††}UL Listed only

Accessories for L15-20 locking devices

Description	Catalog no.		
Neoprene weather protective boot for 4-W & 5-W plugs	□ BL1	•	•
Neoprene weather protective boot for 4-W & 5-W connectors	□ BL2	•	•
Diecast aluminum single receptacle cover, vertical mount, for FS/FD boxes	□ 7420	•	•
Glass-filled nylon flanged inlet/outlet cover, vertical mount, for 20A devices	□ WP2	•	•



BL1



BL2



7420



WP2

Dimensional information:
C-76-C-78

Plug & connector specification information:
Ultra grip K15-20: C-84

Receptacle specification information:
K15-20: C-87

Isolated ground K15-20: C-87
Flanged inlet & flanged outlet specification information:
K15-20: C-89

Color information:
BK (Black), RN (Orange), W (White)



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Indicates NAFTA compliant - Page Q-30

RoHS compliant - Page Q-30

Locking devices specification & performance data

Industrial grade 15A, 20A & 30A locking plugs & connectors

Product description

2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding;
3-pole, 4-wire grounding; 4-pole, 4-wire non-grounding;
4-pole, 5-wire grounding

20A & 30A ultra grip plugs & connectors: L6-20, L7-20, L8-20, L6-30, L7-30, L10-20, L14-20, L15-20, L16-20, L14-30, L15-30, L16-30, L17-30, L19-20, L20-20, L19-30, L20-30, L23-20, L23-30, Non-NEMA 20A, Non-NEMA 30A, Non-NEMA 20/10A

Device type	15A safety grip & auto grip plugs & connectors: NEMA L5-15, L6-15, L7-15	15A safety grip & auto grip plugs & connectors: Non-NEMA 10/15A	20A & 30A ultra grip plugs & connectors: L6-20, L7-20, L8-20, L6-30, L7-30, L10-20, L14-20, L15-20, L16-20, L14-30, L15-30, L16-30, L17-30, L19-20, L20-20, L19-30, L20-30, L23-20, L23-30, Non-NEMA 20A, Non-NEMA 30A, Non-NEMA 20/10A
Wiring type	Side wire	Back wire	Back wire
Testing & code compliance	<ul style="list-style-type: none"> cULus Listed to UL498, file no. E3663 UL verified to Fed Spec WC-596F cUL Listed to CSA C22.2, no. 42 file no. E3663 	<ul style="list-style-type: none"> UL recognized component for US & Canada, file no. E3663 	<ul style="list-style-type: none"> cULus Listed to UL498, file no. E3663
Environmental specifications	<p>Flammability: Meets UL94 requirements, V0 rated</p> <p>Temperature rating: -40°C to 60°C (-40°F to 140°F)</p>	<p>Flammability: Meets UL94 requirements, V2 rated</p> <p>Temperature rating: -40°C to 60°C (-40°F to 140°F)</p>	<p>Flammability: Meets UL94 requirements, V2 rated</p> <p>Temperature rating: -40°C to 60°C (-40°F to 140°F)</p>
Electrical specifications	<p>Dielectric voltage: Twice the device rating + 1000V per UL498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 200 cycles of overload</p>	<p>Dielectric voltage: Twice the device rating + 1000V per UL498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 200 cycles of overload</p>	<p>Dielectric voltage: Twice the device rating + 1000V per UL498</p> <p>Current interrupting: Yes, at full-rated current</p> <p>Temperature rise: Max. 30°C (86°F) after 200 cycles of overload</p>
Mechanical specifications	<p>Terminal accommodation: #16 - #12 AWG</p> <p>Voltage ratings: Permanently marked on device</p>	<p>Terminal accommodation: #16 - #12 AWG</p> <p>Voltage ratings: Permanently marked on device</p>	<p>Terminal accommodation: #16 - #12 AWG, except isolated ground: #14 - #8 AWG</p> <p>Voltage ratings: Permanently marked on device</p>
Materials	<p>Outer shell: Safety grip: nylon; auto grip: phenolic</p> <p>Interior body: Safety grip: nylon; auto grip: phenolic</p> <p>Terminal retainer: Polycarbonate</p> <p>Blades: Brass</p> <p>Line contacts: Brass</p> <p>Terminal clamps: Steel, zinc-plated</p> <p>Terminal screws: Brass</p> <p>Ground screw: Brass</p> <p>Assembly screws: Steel, zinc-plated</p> <p>Gasket/dust shield: Neoprene</p> <p>Cord clamp screws: Steel, zinc-plated</p> <p>Cord clamp: Steel, zinc-plated</p>	<p>Outer shell: Nylon</p> <p>Interior body: Nylon</p> <p>Terminal retainer: Polycarbonate</p> <p>Blades: Brass</p> <p>Line contacts: Brass</p> <p>Terminal clamps: Steel, zinc-plated</p> <p>Terminal screws: Brass</p> <p>Ground screw: Brass</p> <p>Assembly screws: Steel, zinc-plated</p> <p>Gasket/dust shield: Neoprene</p> <p>Cord clamp screws: Steel, zinc-plated</p> <p>Cord clamp: Steel, zinc-plated</p>	<p>Outer shell: Nylon</p> <p>Interior body: Nylon</p> <p>Terminal retainer: Polycarbonate</p> <p>Blades: Brass</p> <p>Line contacts: Connectors: zinc plated</p> <p>Terminal clamps: Steel</p> <p>Terminal screws: #10-32 brass, neutral screw nickel plated</p> <p>Ground screw: #10-32 brass (green)</p> <p>Assembly screws: Steel, zinc-plated</p> <p>Gasket/dust shield: Neoprene</p> <p>Cord clamp screws: Steel, zinc-plated</p> <p>Cord clamp: Nylon</p>

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