ArrowLink modular receptacle connector

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Choose from ArrowLink leaded modular connectors or ArrowLink SPD connectors
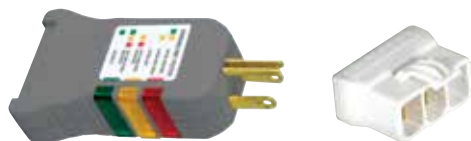
MCR125STR
Leaded ArrowLink connector

MCR300FTST
ArrowLink SPD screw terminal

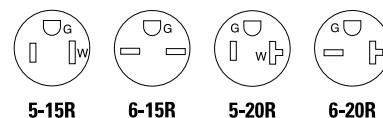MCR300FTPI
ArrowLink SPD push-in terminal

ALTESTER
Circuit tester

MCS300TC
Terminating cap

Description

2-pole, 3-wire grounding
15A 125V/AC; 15A 250V/AC
20A 125V/AC; 20A 250V/AC
NEMA 5-15, 5-20, 6-15, 6-20

5-15R   **6-15R**   **5-20R**   **6-20R**

Design features

- ArrowLink modular plug and connectors incorporate a first make/last break grounding design
- Slim profile and vertical wire orientation of device and connector assures ease and speed of installation
- Wire leads (where applicable) are crimped and resistance welded to plug and connector terminals
- Leaded modular connector encased in polybag to shield contact from paint and drywall mud
- Audible "click" when mating plug and connector indicates proper assembly
- Pre-wired plugs provide 100% inspected and consistent torque settings
- ArrowLink SPD connectors offered in both screw-in and push-in

Table 1. Leaded ArrowLink receptacle connectors

Catalog no.	Description	Device type
☐ MCR125SOL	Solid wire leads - 125V	Receptacle connector
☐ MCR125STR	Stranded wire leads - 125V	Receptacle connector
☐ MCR250SOL	Solid wire leads - 250V	Receptacle connector
☐ MCR250STR	Stranded wire leads - 250V	Receptacle connector
☐ MCS120SOL	Solid wire leads - 120V	Switch connector
☐ MCS120STR	Stranded wire leads - 120V	Switch connector
☐ MCS277SOL	Solid wire leads - 277V	Switch connector
☐ MCS277STR	Stranded wire leads - 277V	Switch connector

Table 2. ArrowLink SPD receptacle connectors

Catalog no.	Description	Device type
☐ MCR300FTST	Screw terminal - 300V	Receptacle connector
☐ MCR300FTSTNG	Screw terminal, no ground conductor - 300V	Receptacle connector
☐ MCR300FTPI	Push-in terminal - 300V	Receptacle connector
☐ MCR300FTPING	Push-in terminal, no ground conductor - 300V	Receptacle connector
☐ MCS300PI	Push-in connector - 300V	Switch connector

Table 3. ArrowLink accessories

Catalog no.	Description	Device type
☐ ALTESTER	Tests receptacle & ArrowLink connectors	Circuit tester
☐ MCS300TC	Circuit completer for job site testing	Terminating cap

The following patents may apply:
(8,113,874), (8,235,748), (D652,803), (D655,677), (D653,620), (D646,223)

Note: Look for ArrowLink symbol ▶ on device spec sheet to check compatibility.
Add "M" suffix to standard catalog number (example: AH8300W becomes AH8300WM).

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

F·T·N
Powering Business Worldwide

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

Applications

The ArrowLink modular wiring device system is designed to provide true specification grade device integrity and product features to help complete a job quickly and cost effectively. Breadth of line, installation flexibility and ArrowLink SPD connectors provide a complete job solution for any application. ArrowLink leaded modular connectors utilize wire nuts to terminate the building wire, offering a familiar installation method. ArrowLink SPD connectors use both screw-in and push-in building wire termination options, ensuring speed, productivity and dependability. Use either of these connectors during the rough-in and the device of your choice will come bulk packed and with a factory installed and inspected ArrowLink plug side connector to be installed during trim-out, increasing trim-out speed and reducing the number of installers required.

Table 4. Specifications

Catalog no.	MCR series, MCS series, up to 277V	MCR series, MCS series, 300V
Device type	Leaded ArrowLink connectors	ArrowLink SPD
Wiring type	Integral wire leads, crimped & resistance welded	Back wire feed-through
Testing & code compliance	**ArrowLink:** Plug & connector cULus listed to UL 2459, file no. E325188 **Combined with device:** cULus listed wiring assembly, UL file no. E326691	**ArrowLink:** Plug & connector cULus listed to UL 2459, file no. E325188 **Combined with device:** cULus listed wiring assembly, UL file no. E326691
Environmental specifications	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -20ºC to 90ºC (-4ºF to 158ºF)	**Flammability:** Meets UL 94 requirements; V2 rated **Temperature rating:** -20ºC to 90ºC (-4ºF to 158ºF)
Electrical specifications	**Maximum working voltage** 300V/AC **Overload:** 52.5A/AC for 10 cycles **Temperature rise:** Max. 50ºC (122ºF) while conducting 35A after 10 cycles of overload @ 52.5A/AC **Dielectric voltage:** Withstands 1600V per UL2459 **Maximum continuous current:** 20A **Current interrupting:** Limited cycles at full-rated current	**Maximum working voltage** 300V/AC **Overload:** 52.5A/AC for 10 cycles **Temperature rise:** Max. 50ºC (122ºF) while conducting 35A after 10 cycles of overload @ 52.5A/AC **Dielectric voltage:** Withstands 1600V per UL2459 **Maximum continuous current:** 20A **Current interrupting:** Limited cycles at full-rated current
Mechanical specifications	**Wire leads:** #12 AWG **Voltage ratings:** Permanently marked on device	**Wire leads:** Accepts #12 - #14 AWG stranded and solid wire, (push-in) devices solid only **Voltage ratings:** Permanently marked on device **Ground:** Integral THHN #12 AWG 6" lead with ring terminal and #10 ground screw

Table 5. Materials

Catalog no.	MCR series, MCS series, up to 277V	MCR series, MCS series, 300V
Housing	Polycarbonate	Polycarbonate
Contacts	Copper alloy	Copper alloy
Wire leads	Solid or stranded THHN #12 AWG	N/A

Custom lead color information:

B (Brown), E (Green), G (Gray), K (Black), L (Blue), N (Orange), P (Pink), R (Red), Y (Yellow)

B	E	G	K	L	N	P	R	Y
(Brown)	(Green)	(Gray)	(Black)	(Blue)	(Orange)	(Pink)	(Red)	(Yellow)

For custom 277V lead color combinations, include Cat. No. followed by 3 color code indicators, one for each lead, in the Line (LI)/Load (LO)/Ground ( ) sequence: B (Brown), E (Green), G (Gray), K (Black), L (Blue), N (Orange), P (Pink), R (Red), Y (Yellow); ex. Switch AH1221VMYBE or Connector MCS277SOLYBE ("Y" Yellow, "B" Brown, "E" Green) Lead color sequences other than Black/Black/Green for switches or connectors will add 2 days to lead times

Certifications & compliances

Catalog No.	cULus	RoHS
MCR125	•	•
MCR250	•	•
MCR300	•	•

KEY: cULus cULus   UL UL   RoHS RoHS

Electrical Sector
203 Cooper Circle
Peachtree City, GA 30269
United States
Eaton.com
Eaton.com/arrowhart

Electrical Sector
Canada Operations
5925 McLaughlin Road
Mississauga, Ontario, L5R 1B8
Canada
EatonCanada.ca
Eaton.com/arrowhart

Electrical Sector
Mexico Operations
Carr. Tlalnepantla -
Cuautitlan Km 17.8 s/n
Col. Villa Jardin esq.
Cerrada 8 de Mayo
Cuautitlan, Mexico CP 54800
Mexico
Eaton.mx
Eaton.com/arrowhart

F·T·N
Powering Business Worldwide