

DS60, DS100C and DR100 with 4 Auxiliary Contacts

product improvement description



DS60, DS100C and DR100 inlets and receptacles are now available with up to 4 auxiliary contacts. (Previously only 2 and 3 aux contacts were offered).

Integral auxiliary contacts allow users the convenience and flexibility of controlling auxiliary equipment, monitoring parameters (such as motor temperature), and/or communicating alarms through the same plug and receptacle used to supply power to the equipment. Because the auxiliary contacts are integral, they also facilitate the rapid change-out or reconfiguration of equipment by eliminating the need for hard wiring or multiple plug connections.

- Updated catalog pages are included in this announcement.
- Updated price list pages are included in this announcement.

new auxiliary contact amp ratings

Device	120 VAC	240 VAC	480 VAC	600 VAC
DS60, DS100C, DR100	3A	1.5A	.75A	.6A

DS60, DS100C and DR100 with 4 Auxiliary Contacts

DS60 – catalog info



DS60

DS – 60A Switch-Rated Plugs & Receptacles

UL/CSA Ratings

- Max Amperage & Voltage**
60A, 600 VAC
- Switch-Rating (AC Only)**
Branch Circuit & Motor Circuit Disconnect Switching
- Horsepower Ratings**

120V	1Ø	3 hp
240V	1Ø	5 hp
208V	3Ø	10 hp
240V	3Ø	10 hp
480V	3Ø	25 hp
600V	3Ø	25 hp
- Short Circuit Rating**
100kA Close & Withstand
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 3R (Standard)
Type 4X (Optional)
- Temperature Range**
Min -40°F/Max 140°F
See pg 234 for temps below -15°F.
- Wiring Capacity**
Min 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
- Applicable Standards**
UL 2682, CSA 182.1

Receptacle (female)



Don't forget to add installation accessories to your order

Inlet (male)



North American UL/CSA Configurations

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	33-64165	37-64165
120/208V	3P+N+G	33-64167	37-64167
125V	1P+N+G	33-64075	37-64075
125/250V	2P+N+G	33-64076	37-64076
208V	2P+G	33-64162	37-64162
208V	3P+G	33-64163	37-64163
250V	2P+G	33-64072	37-64072
250V	3P+G	33-64073	37-64073
277V	1P+N+G	33-64045	37-64045
277/480V	3P+N+G	33-64047	37-64047
347/600V	3P+N+G	33-64147	37-64147
480V	2P+G	33-64042	37-64042
480V	3P+G	33-64043	37-64043
600V	2P+G	33-64142	37-64142
600V	3P+G	33-64143	37-64143

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	33-68165	37-68165
120/208V	3P+N+G	33-68167	37-68167
125V	1P+N+G	33-68075	37-68075
125/250V	2P+N+G	33-68076	37-68076
208V	2P+G	33-68162	37-68162
208V	3P+G	33-68163	37-68163
250V	2P+G	33-68072	37-68072
250V	3P+G	33-68073	37-68073
277V	1P+N+G	33-68045	37-68045
277/480V	3P+N+G	33-68047	37-68047
347/600V	3P+N+G	33-68147	37-68147
480V	2P+G	33-68042	37-68042
480V	3P+G	33-68043	37-68043
600V	2P+G	33-68142	37-68142
600V	3P+G	33-68143	37-68143

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Main Options

- Auxiliary/Pilot Contacts
- Mushroom Pawl
- Padlock Pawl
- Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pgs 211-220 for detailed information on these options

Receptacle Options

Receptacle Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # - 972
With 3 Auxiliary/Pilot Contacts	Recept # - 263
With 4 Auxiliary/Pilot Contacts	Recept # - 264
Type 4X & closed lid configuration	Recept # - 4X
Straight Insertion	Recept # - 352
Self-Ejecting Connector Release	Recept # - 354
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # -375-843
Locking Mushroom Pawl	Recept # - 845
Metal Pawl (on poly receptacle)	Recept # - 824
Closed Lid Configuration	Recept # - NC
With Auxiliary Switch	Recept # - 270*

Notes: * Not UL/CSA listed.

Inlet Options

Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Inlet # - 972
With 3 Auxiliary/Pilot Contacts	Inlet # - 263
With 4 Auxiliary/Pilot Contacts	Inlet # - 264
Type 4X Watertightness	Inlet # - 4X
Self-Ejecting Plug Release	Inlet # - 338
With No Lockout Hole	Inlet # - A155
For Auxiliary Switch*	Inlet # - NNF

Notes: * Order inlet with P+N+G configuration and receptacle with P+G configuration.

480V DS60 Order Example:

To order 2 auxiliary/pilot contacts on an inlet and receptacle add **-972** to the part numbers.

DS60 Poly inlet 3P+G=33-68043-**972**

DS60 Poly receptacle 3P+G=33-64043-**972**

Appropriate accessory part numbers must also be included on the order.

DS60, DS100C and DR100 with 4 Auxiliary Contacts

DS100C – catalog info



DS – 100A Switch-Rated Plugs & Receptacles

UL/CSA Ratings

- Max Amperage & Voltage**
100A, 600 VAC
- Switch-Ratings (AC Only)**
Branch Circuit & Motor Circuit Disconnect Switching
- Horsepower Ratings**

120V	1Ø	5 hp
240V	1Ø	10 hp
208V	3Ø	20 hp
240V	3Ø	20 hp
480V	3Ø	50 hp
600V	3Ø	50 hp
- Short Circuit Rating**
Tested with RK1 current limiting fuses sized at 400% of the highest full load motor ampacity.
- Environmental Ratings**
Type 3R (Standard)
Type 4X (Optional)
- Temperature Range**
Min -40°F/Max 140°F
See pg Z34 for temps below -15°F.
- Wiring Capacity**
Min 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
- Applicable Standards**
UL 2682, CSA 182.1

Receptacle (female)



Don't forget to add installation accessories to your order

Inlet (male)



North American UL/CSA Configurations

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	33-64235-C-K16	37-64235-C-K16
120/208V	3P+N+G	33-64237-C-K16	37-64237-C-K16
125V	1P+N+G	33-64175-C-K07	37-64175-C-K07
125/250V	2P+N+G	33-64176-C-K07	37-64176-C-K07
208V	2P+G	33-64232-C-K16	37-64232-C-K16
208V	3P+G	33-64233-C-K16	37-64233-C-K16
250V	2P+G	33-64172-C-K07	37-64172-C-K07
250V	3P+G	33-64173-C-K07	37-64173-C-K07
277V	1P+N+G	33-64245-C-K04	37-64245-C-K04
277/480V	3P+N+G	33-64247-C-K04	37-64247-C-K04
347/600V	3P+N+G	33-64187-C-K14	37-64187-C-K14
480V	2P+G	33-64242-C-K04	37-64242-C-K04
480V	3P+G	33-64243-C-K04	37-64243-C-K04
600V	2P+G	33-64182-C-K14	37-64182-C-K14
600V	3P+G	33-64183-C-K14	37-64183-C-K14

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	33-68235-C-K16	37-68235-C-K16
120/208V	3P+N+G	33-68237-C-K16	37-68237-C-K16
125V	1P+N+G	33-68175-C-K07	37-68175-C-K07
125/250V	2P+N+G	33-68176-C-K07	37-68176-C-K07
208V	2P+G	33-68232-C-K16	37-68232-C-K16
208V	3P+G	33-68233-C-K16	37-68233-C-K16
250V	2P+G	33-68172-C-K07	37-68172-C-K07
250V	3P+G	33-68173-C-K07	37-68173-C-K07
277V	1P+N+G	33-68245-C-K04	37-68245-C-K04
277/480V	3P+N+G	33-68247-C-K04	37-68247-C-K04
347/600V	3P+N+G	33-68187-C-K14	37-68187-C-K14
480V	2P+G	33-68242-C-K04	37-68242-C-K04
480V	3P+G	33-68243-C-K04	37-68243-C-K04
600V	2P+G	33-68182-C-K14	37-68182-C-K14
600V	3P+G	33-68183-C-K14	37-68183-C-K14

For international configurations and ratings (IEC, CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Main Options

- Auxiliary/Pilot Contacts
- Mushroom Pawl
- Padlock Pawl
- Closed Lid Configuration
Recommended for cord applications to keep lid tucked in to avoid damage.

See pgs 211-220 for detailed information on these options

Receptacle Options

Receptacle Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Recept # - 972
With 3 Auxiliary/Pilot Contacts	Recept # - 263
With 4 Auxiliary/Pilot Contacts	Recept # - 264
Type 4X & closed lid configuration	Recept # - 4X
Straight Insertion	Recept # - 352
Self-Ejecting Connector Release	Recept # - 354
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # -375-843
Locking Mushroom Pawl	Recept # - 845
Metal Pawl (on poly receptacle)	Recept # - 824
Closed Lid Configuration	Recept # - NC
With Auxiliary Switch	Recept # - 270*
Recess Plate	Recept # - 142

Notes: * Not UL/CSA listed.

Inlet Options

Inlet Options	Suffix #
With 2 Auxiliary/Pilot Contacts	Inlet # - 972
With 3 Auxiliary/Pilot Contacts	Inlet # - 263
With 4 Auxiliary/Pilot Contacts	Inlet # - 264
Type 4X Watertightness	Inlet # - 4X
Self-Ejecting Plug Release	Inlet # - 338
With No Lockout Hole	Inlet # - A155
For Auxiliary Switch*	Inlet # - NNF

Notes: * Order inlet with P+N+G configuration and receptacle with P+G configuration.

480V DS100C Order Example:

To order 2 auxiliary/pilot contacts on an inlet and receptacle add **-972** to the part numbers.
 DS100C Poly inlet 3P+G=33-68243-C-K04-**972**
 DS100C Poly receptacle 3P+G=33-64243-C-K04-**972**
 Appropriate accessory part numbers must also be included on the order.

DS60, DS100C and DR100 with 4 Auxiliary Contacts

DR100 – catalog info



DR – 100A Standard Duty Plugs & Receptacles

UL/CSA Ratings

- **Max Amperage & Voltage**
100A, 600 VAC
- **Current Interruption Capability**
For current interrupting up to 250 VAC
For Switch-Rated devices, see DS & DSN sections.
- **Short Circuit Rating**
100kA
Testing was performed with RK1 current limiting fuses sized at least 100% of the devices ampacity rating.
- **Environmental Ratings**
Type 3R
- **Temperature Range**
Min -40°F / Max 140°F
See pg 234 for temps below -15°F.
- **Wiring Capacity**
Min 10 AWG Max 2 AWG
Aux Contacts - Max 14 AWG
** Based on THHN wire sizes*
- **Applicable Standards**
UL 1682, CSA 182.1

Receptacle (female)



Don't forget to add installation accessories to your order

Inlet (male)



North American UL/CSA Configurations

Voltage	Polarity	Part #	
		Poly	Metal
120V	1P+N+G	31-64235-K16	39-64235-K16
120/208V	3P+N+G	31-64237-K16	39-64237-K16
125V	1P+N+G	31-64175-K07	39-64175-K07
125/250V	2P+N+G	31-64176-K07	39-64176-K07
208V	2P+G	31-64232-K16	39-64232-K16
208V	3P+G	31-64233-K16	39-64233-K16
250V	2P+G	31-64172-K07	39-64172-K07
250V	3P+G	31-64173-K07	39-64173-K07
277V	1P+N+G	31-64245-K04	39-64245-K04
277/480V	3P+N+G	31-64247-K04	39-64247-K04
347/600V	3P+N+G	31-64187-K14	39-64187-K14
480V	2P+G	31-64242-K04	39-64242-K04
480V	3P+G	31-64243-K04	39-64243-K04
600V	2P+G	31-64182-K14	39-64182-K14
600V	3P+G	31-64183-K14	39-64183-K14

Voltage	Polarity	Part #	
		Poly	Metal
120V	3P+N+G	31-68235-K16	39-68235-K16
120/208V	3P+N+G	31-68237-K16	39-68237-K16
125V	1P+N+G	31-68175-K07	39-68175-K07
125/250V	2P+N+G	31-68176-K07	39-68176-K07
208V	2P+G	31-68232-K16	39-68232-K16
208V	3P+G	31-68233-K16	39-68233-K16
250V	2P+G	31-68172-K07	39-68172-K07
250V	3P+G	31-68173-K07	39-68173-K07
277V	1P+N+G	31-68245-K04	39-68245-K04
277/480V	3P+N+G	31-68247-K04	39-68247-K04
347/600V	3P+N+G	31-68187-K14	39-68187-K14
480V	2P+G	31-68242-K04	39-68242-K04
480V	3P+G	31-68243-K04	39-68243-K04
600V	2P+G	31-68182-K14	39-68182-K14
600V	3P+G	31-68183-K14	39-68183-K14

For international configurations and ratings (IEC,CE) visit meltric.com/international-catalog or contact customer service at 800.433.7642.

Main Options

- Auxiliary Contacts**
- Mushroom Pawl**
- Padlock Pawl**
5/16" hole
- Closed Lid Configuration**
Recommended for cord applications to keep lid tucked in to avoid damage.

See pgs 211-220 for detailed information on these options

Receptacle Options

Receptacle Options	Part #
With 2 Auxiliary/Pilot Contacts	Recept # - 972
With 3 Auxiliary/Pilot Contacts	Recept # - 263
With 4 Auxiliary/Pilot Contacts	Recept # - 264
Type 4X & closed lid configuration	Recept # - 4X
Mushroom Pawl	Recept # - 375
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375-843
Locking Mushroom Pawl	Recept # - 845
Metal Pawl (on poly receptacle)	Recept # - 824
Closed Lid Configuration	Recept # - NC
With Auxiliary Switch	Recept # - 270*

Notes: * Not UL/CSA listed.

Inlet Options

Inlet Options	Part #
With 2 Auxiliary/Pilot Contacts	Inlet # - 972
With 3 Auxiliary/Pilot Contacts	Inlet # - 263
With 4 Auxiliary/Pilot Contacts	Inlet # - 264
Type 4X Watertightness	Inlet # - 4X
With No Lockout Hole	Inlet # - A155
For Auxiliary Switch*	Inlet # - NNF

Notes: * Order inlet with P+N+G configuration and receptacle with P+G configuration.

DR100 Order Example:

To order 2 auxiliary/pilot contacts on an inlet and receptacle add **-972** to the part numbers.
 DR100 Inlet 3P+G = 31-68243-K04-**972**
 DR100 Receptacle 3P+G = 31-64243-K04-**972**
 Appropriate accessory part numbers must also be included on the order.