

GSD1-48-20C Cut Sheet



IronHorse GSD1 series DC full-featured drive, 12-48 VDC, 1-phase, 1/50 to 1/4hp at 12 VDC and 1/12 to 1hp at 48 VDC, 20A, open frame, panel mount, field-install reverse, potentiometer input, PWM output.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/GSD1-48-20C>

Technical Specifications

Brand	IronHorse
Item	Drive
Controller Type	Full-featured
Series	GSD1
Voltage Type	DC
Number of Input Phases	1
Nominal Drive Input Voltage	12-48 VDC
Nominal Drive Output Voltage	Output up to input voltage
Horsepower by Voltage	1/50 to 1/4hp at 12 VDC and 1/12 to 1hp at 48 VDC
Amperage Rating	20A
Variable Torque Amperage Rating	20A
Control Mode	DC
Safe Torque Off (STO)	No

Temperature Rating	-30 to 65 deg C
Enclosure Type	Open frame
IP Rating	IP00
Mounting	Panel
Input Signal	Potentiometer input
On/Off Switch	No
Shunt Field Supply	No
Output Type	PWM output
Reverse Capability	Field-install
Carrier Frequency Range	18 kHz
Output Frequency Range	DC
Connector Type	Screw terminals
SCCR Rating	SCCR exempt
For Use With	Permanent magnet DC and universal motors
Includes	Speed potentiometer with knob and 0-100% faceplate

Agency Approvals

UL Listed File #	None
UL Recognized File #	None
UL Hazardous File #	None
CE	None
CSA File #	None
RoHS Status	No
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/GSD1-48-20C.pdf>
See store item page for other formats.