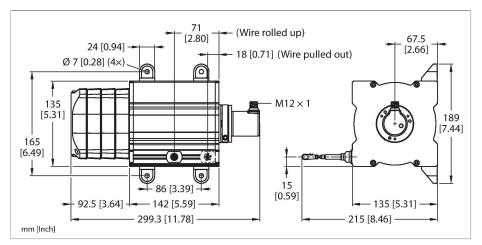


DWE-35000-135-116-7A-H1151 Draw-Wire





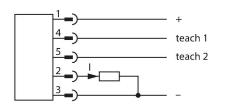
ID 100049421 Measuring principle Magnetic General data Measuring range 35000 mm Linearity deviation ≤ 0.05 % Output type Analog Electrical data Operating voltage U _B 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions Ambient temperature -20+85 °C	Туре	DWE-35000-135-116-7A-H1151		
General data Measuring range 35000 mm Linearity deviation ≤ 0.05 % Output type Analog Electrical data Operating voltage U _B Operating voltage U _B 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	ID	100049421		
Measuring range 35000 mm Linearity deviation ≤ 0.05 % Output type Analog Electrical data 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Measuring principle	Magnetic		
Linearity deviation ≤ 0.05 % Output type Analog Electrical data Operating voltage U _B 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	General data			
Output type Analog Electrical data Operating voltage U _n 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Measuring range	35000 mm		
Electrical data Operating voltage U _s No-load current ≤ 38 mA Short-circuit protection Wire break/reverse polarity protection Output function Analog output Current output 420 mA DA converter resolution Design Draw Wire Housing material Encoder housing material min. extension force max. extension speed Pull acceleration max. wire material Electrical connection Dio30 VDC 1030	Linearity deviation	≤ 0.05 %		
Operating voltage U _B 1030 VDC No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Output type	Analog		
No-load current ≤ 38 mA Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Electrical data			
Short-circuit protection yes Wire break/reverse polarity protection yes Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² Wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Operating voltage U _B	1030 VDC		
Wire break/reverse polarity protection Output function Analog output Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	No-load current	≤ 38 mA		
Output function Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Encoder housing material min. extension force max. extension force Pull acceleration max. Wire material Stainless steel Electrical connection Analog output 420 mA 420 mA Draw Wire Titanium anodized aluminium Die-cast zinc 7 N max. extension force 14.1 N 5 m/s Pull acceleration max. 60 m/s² Stainless steel Electrical connection Connector, M12 × 1	Short-circuit protection	yes		
Current output 420 mA DA converter resolution 12 Bit Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Wire break/reverse polarity protection	yes		
DA converter resolution Mechanical data Design Draw Wire Housing material Encoder housing material Die-cast zinc min. extension force Titanium anodized aluminium Die-cast zinc 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Output function	Analog output		
Mechanical data Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Current output	420 mA		
Design Draw Wire Housing material Titanium anodized aluminium Encoder housing material Die-cast zinc min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	DA converter resolution	12 Bit		
Housing material Encoder housing material Die-cast zinc 7 N max. extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Electrical connection Connector, M12 × 1 Environmental conditions	Mechanical data			
Encoder housing material min. extension force 7 N max. extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Design	Draw Wire		
min. extension force 7 N max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Housing material	Titanium anodized aluminium		
max.extension force 14.1 N max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	Encoder housing material	Die-cast zinc		
max. extension speed 5 m/s Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	min. extension force	7 N		
Pull acceleration max. 60 m/s² wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	max.extension force	14.1 N		
wire material Stainless steel Electrical connection Connector, M12 × 1 Environmental conditions	max. extension speed	5 m/s		
Electrical connection Connector, M12 × 1 Environmental conditions	Pull acceleration max.	60 m/s ²		
Environmental conditions	wire material	Stainless steel		
	Electrical connection	Connector, M12 × 1		
Ambient temperature -20+85 °C	Environmental conditions			
	Ambient temperature	-20+85 °C		



Features

- Draw-wire sensor for large measuring lengths
- ■With permanently installed analog encoder from the REM-116 product series
- Measuring principle: magnetic
- Measuring range can be scaled via teach inputs
- Teach point 1: Ub to pin 4 for > 1 s
- ■Teach point 2: Ub to pin 5 for > 1 s
- Sensor protection class IP65
- ■-20...+85 °C
- ■10...30 VDC
- ■Analog output, 4...20 mA
- ■M12 × 1 connector, 5-pin

Wiring diagram

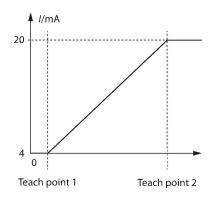






Technical data

Protection class IP65



Measuring range settings

Only actuate the teach inputs when the shaft is at a standstill.

Bridge between Ub	Teach input teach 1	Teach input teach 2	LED
(pin 1) and	(pin 4)	(pin 5)	
>1 second	Set start point of		The green LED flashes
	measuring range		once
>1 second		Set end point of measuring range. The measuring range must be >21 mm. A start point must have been set beforehand.	The green LED flashes three times
>1 second	Reset to factory setting. Connect teach 1 and teach 2 to UB simultaneously.		The LED flashes green, red, green

If the teach inputs are not used, they should be set to 0 V (GND ground) to avoid faults.

Accessories

RDR-1 1544753

Deflection roller for aluminium drawwire sensors

