



Grounding Terminals

TYPE DFG-1-E-EN

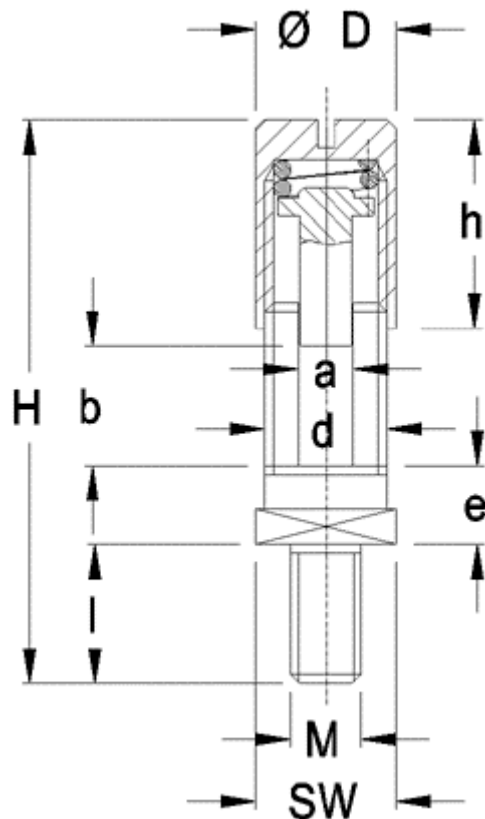


RoHS WEEE Pb free compliant

Description

These explosion proof grounding terminals, millions of which have already proved their worth in practical applications, are suitable for installations in apparatus, machinery and installation equipment of all types. They are used chiefly in applications requiring a locked screw connection. WECO terminals provide maximum operational reliability and meet the requirements of the corresponding VDE regulations. The upper section of a DF terminal comprises a grounding nut, a flat clamping member which is mounted so that it can rotate and a spiral spring (in case of 4 mm² terminals a lock washer 3,5 DIN 7980 is used instead of a spring, these upper sections are called DR). The spring with extra-long spring travel is mounted captive on the inside of the upper section between the collar of the clamping member and the grounding nut. The lathe-turned journal above the plate-shaped collar is slightly longer than the block length of the spring so that it absorbs most of the pressure and the spring is thus not subject to fatigue. The fitted spiral spring produces a strong blocking effect (friction locking) and exerts a long-term, reliable pressure on the clamped conductors. The upper section encloses the lower section and thus prevents the legs from bending outwards.

- Single Grounding Terminal
- Single Wire Clamping



Dimensions: mm (in.)

D = 8 (0.31)
 d = M7x0.75 (0.03)
 H = 28.0 (1.10)
 h = 11 (0.43)
 l = 8.0 (0.31)
 e = 5 (0.20)
 M = M4
 SW = 8.0 (0.31)

Max. Terminal Space a x b
 3.1 x 3.9 (0.12 x 0.15)

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

Approval Information

International Approvals:

- Single Wire Clamping
- Threaded post for mounting
- With Locking Cap
- DF: with spring loaded, flat, stationary clamping mechanism

Test Certificate



Technical Data

Nominal Cross Section:

2.5 mm² (3874 mils²)

Wire Stripping Length: 8 mm (0.31 in.)

(maximum load at 40°C (104°F) ambient temperature)

Recommended operating

Current: 30A

Recommended operating Wire

Range: 12 AWG

Material

Temperature upper limit: As per EX approvals:

40°C (104°F) Physical limit of materials: 240°C

(464°F)

Terminal Body: Nickel plated brass

Locking Cap: Nickel plated brass

Spring: Spring steel, blue annealed

Threaded Post: M4,

Item

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Ordering Note: For more information on ATEX directive or distinctive European Mark EX, at the top of the page, go to the product tool bar and click on "Series".

Accessories

Cable Lugs, Series KA.

DFG-1-E-EN