PPS-PRZ-D10 - Source Interface Summary

Source dimensioned drawing extract / source CYG401 / reviewed 2026-11-16

NOT TO SCALE. This summary preserves supplier labels and their scope. It is not a manufacturing drawing, CAD file, fit approval or pressure rating.

All dimensions are millimetres unless stated. Drawing views are separate alternatives; do not merge their spans, electrical forms or clearance assumptions.

View / option	Drawing view A - direct cable / boot
View / option	Drawing view B - direct gland
View / option	Drawing view C - inline connector
View / option	Drawing view D - right-angle connector
View / option	Drawing view E - remote conditioner

Outstanding acceptance information

1. Thread tolerance class and engagement/clearance specification
2. ED seal dimensions, material, compression and mating counterbore
3. Installation torque and wrench loads
4. Surface finish, datum system, flatness and manufacturing tolerances
5. Electrical connector exact part/thread/pinout and mated clearance
6. Variant-specific maximum envelope and confirmation of selected configuration

Source and document request

CYG401 supplier table and installation source

http://www.sqsensor.com/content/?173.html
CYG401 original dimension drawing

http://www.sqsensor.com/upload/image/20230802/16909666567252836.png
Request the approved 2D drawing, STEP if available, connector/pinout and required calibration/response records. Availability and exact scope are confirmed with the offered variant.

Drawing view A - direct cable / boot

Pressure mount	M20x1.5
Body diameter	Dia 27 mm
Front hex	27 mm AF
Nose span	12 mm
Indicated axial spans	116 mm; 99 mm
Cable diameter	Dia 7.8 mm

Scope: Indicated axial span from front face to the shown rear boot/cable-entry reference; do not call complete installed length. Indicated axial span starting at the housing-side reference line after the front mounting region. Front threaded nose span.

Mechanical: M20x1.5 pressure thread; front nose span 12 mm does not qualify usable engagement

Electrical: Direct cable with drawn rear boot/strain relief. Exact named connector type is not assigned by this drawing.

Cable: Cable/vent termination, connector mating geometry and strain relief need the selected assembly drawing.

Source locator: CYG401 original drawing: upper left; source view 401-A

Request review of this interface and its approved drawing

No schematic clearance, seal, thread engagement or thermal/pressure rating is inferred from this reference. Supply the customer port and available installation space for review.

Drawing view B - direct gland

Pressure mount	M20x1.5
Body diameter	Dia 27 mm
Front hex	27 mm AF
Nose span	12 mm
Indicated axial spans	104 mm; 87 mm
Rear flats	22 mm
Cable diameter	Dia 5.8 mm

Scope: Indicated front-face-to-rear-housing axial span. The drawn gland/cable continues beyond it; 104 mm is not full installed length. Indicated axial span from housing-side reference to rear housing end. Front threaded nose span.

Mechanical: M20x1.5 pressure thread; front nose span 12 mm does not qualify usable engagement

Electrical: Direct cable through a rear gland; gland extension is outside the 104 mm span.

Cable: Cable/vent termination, connector mating geometry and strain relief need the selected assembly drawing.

Source locator: CYG401 original drawing: upper right; source view 401-B

Request review of this interface and its approved drawing

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Drawing view C - inline connector

Pressure mount	M20x1.5
Body diameter	Dia 27 mm
Front hex	27 mm AF
Nose span	12 mm
Sensor-side axial spans	99 mm; 82 mm
Separate connector span	approx. 51 mm
Cable diameter	Dia 5.8 mm

Scope: Front face to end of sensor housing; excludes the separate connector span. Separate approximate inline connector assembly span; retain approximation symbol. Front threaded nose span.

Mechanical: M20x1.5 pressure thread; front nose span 12 mm does not qualify usable engagement

Electrical: Inline rear connector drawing. Do not infer a thread, pin count, military standard, connector manufacturer or exact mated envelope from appearance.

Cable: Cable/vent termination, connector mating geometry and strain relief need the selected assembly drawing.

Source locator: CYG401 original drawing: middle left; source view 401-C

Request review of this interface and its approved drawing

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Drawing view D - right-angle connector

Pressure mount	M20x1.5
Body diameter	Dia 27 mm
Front hex	27 mm AF
Nose span	12 mm
Indicated axial span	131 mm

Scope: Indicated front-face-to-rear-housing-end span in this right-angle variant. Front threaded nose span.

Mechanical: M20x1.5 pressure thread; front nose span 12 mm does not qualify usable engagement

Electrical: Right-angle rear connector. Vertical height, cable bend/plug clearance and pinout are not dimensioned.

Cable: Cable/vent termination, connector mating geometry and strain relief need the selected assembly drawing.

Source locator: CYG401 original drawing: middle right; source view 401-D

Request review of this interface and its approved drawing

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Drawing view E - remote conditioner

Pressure mount	M20x1.5
Sensor-head diameter	Dia 27 mm
Front hex	27 mm AF
Nose span	12 mm
Sensor-head indicated spans	40 mm; 23 mm
Separate tail-stem span	9 mm
Remote box plan dimensions	64 x 58 mm
Remote box approximate depth	approx. 36 mm
Cable diameter	Dia 5.8 mm

Scope: Front face to rear of sensor-head main housing; excludes the separately labelled 9 mm tail stem. Indicated sensor-head cylindrical span. Front threaded nose span. Rear tail-stem axial span after head housing. Remote box dimension in plan, not sensor-head diameter. Remote box third dimension approximately 36 mm according to source note; not a sensor-head dimension.

Mechanical: M20x1.5 pressure thread; front nose span 12 mm does not qualify usable engagement

Electrical: Separate sensor head and remote conditioning box; no cable length or box mounting-hole dimensions given.

Cable: Cable/vent termination, connector mating geometry and strain relief need the selected assembly drawing.

Source locator: CYG401 original drawing: bottom; sensor head plus remote box; source view 401-E

Request review of this interface and its approved drawing

No schematic clearance, seal, thread engagement or thermal/pressure rating is inferred from this reference. Supply the customer port and available installation space for review.