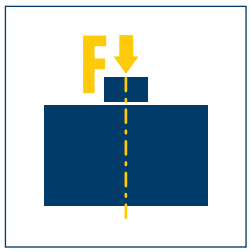
SRH

Pneumatic · Swivel Heads · Universal Swivel Head

Sizes
20 .. 60

Weight
2.1 kg .. 21.2 kg

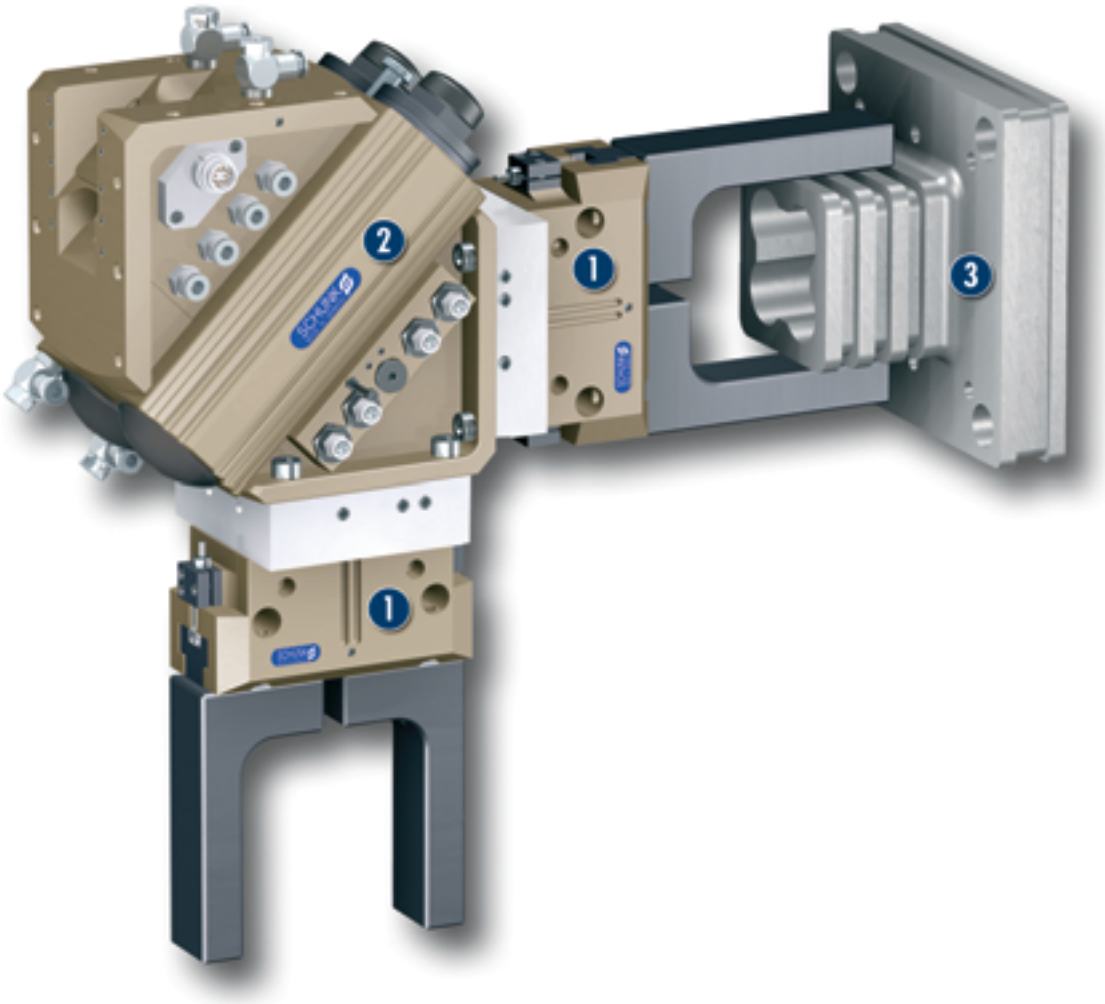


Axial force
800 N .. 9000 N

Torque
3.0 Nm .. 69.9 Nm

Bending moment
10.4 Nm .. 340 Nm

Application example



Swivel head for the rapid loading and unloading of machine tools

1 2-Finger Parallel Gripper JGP with workpiece-specific gripper fingers

2 SRH Swivel Head

3 Workpiece

Swivel Head

Swivel head for rapid loading and unloading tasks, with integrated fluid and electric feed-through

Area of application

the unit of choice for loading and unloading machine tools

Your advantages and benefits

Complete module with integrated fluid and electrical feed-thorugh
therefore unessential disturbing hose system drop

High damping power by application hydraulic shock absorbers
thus there is an decisively contraction of the abrasion and a shorter charging periode

Feed-throudh and drive-connection both with screw connection and hose-free direct connection possible
for flexibility in all of the automation-solutions

Information about the series

Working principle
Pneumatic double piston-rack-pinion-drive

Housing material
Aluminum, hard-anodized

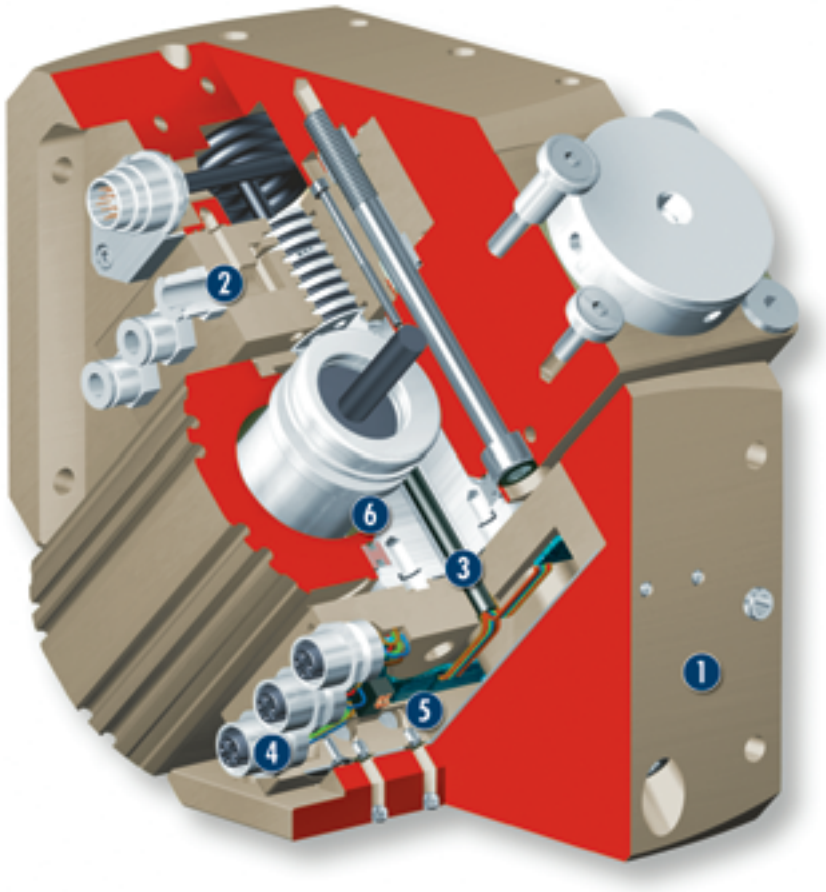
Functional part
Pinion

Actuation
Pneumatic, with filtered compressed air (10 µm): Dry, lubricated or non-lubricated
Pressure medium: Requirements on quality of the compressed air according to DIN ISO 8573-1: 6 4 4.

Warranty
24 months

Scope of delivery
Center sleeves for fastening, choke valves, O-rings for direct connection, instruction book and assembly instructions with producer explanation

Sectional diagram



1 Output end
2 Media feed-through MDF
3 Electric transmission leadthrough
4 Housing-plug for EDF
5 Distributor board
6 Pinion-rack-drive

Function description

When subjected to pressure, the two pneumatic pistons move their end faces in a straight line in their bores, turning the pinion by means of the serrations on their sides. The pinion is firmly connected to the PTO head and feeds through the compressed air and electrical signals

Options and special information

The SRH series is fully equipped for the changeover of parts in machine tools. Media and fluid feed-throughs are integrated, connections for the proximity switches are already fitted.

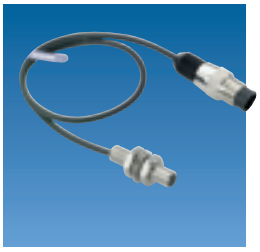
Accessories

Accessories from SCHUNK – the suitable supplement for maximum functionality, reliability and performance of all automation modules.

Centering Sleeves

Fittings

IN inductive proximity switches



KV/KA sensor cables

SDV-P pressure maintenance valves

V sensor distributors

ⓘ For the exact size of the required accessories, availability of this size and the designation and ID, please refer to the additional views at the end of the size in question. You will find more detailed information on our accessory range in the „Accessories“ catalog section.

General information on the series

Repeat accuracy

Repeat accuracy is defined as the spread of the limit position after 100 consecutive swiveling cycles.

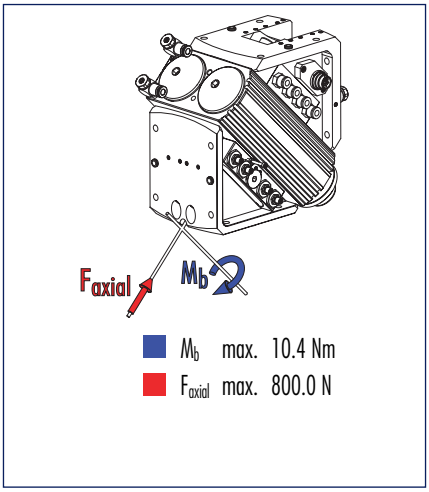
Cycle time

Cycle times are purely the times taken by the pinion/flange to turn round the nominal angle of rotation. Valve switching times, hose filling times or SPC reaction times are not included in the above times and must be taken into consideration when determining cycle times.

Layout or checking calculation

For deciding the layout or for checking calculations of rotary modules, we recommend that you use our SSE software, available on CD or from www.schunk.com. A checking calculation of the unit you have chosen is absolutely essential, as otherwise overloading may occur.

Pinion load

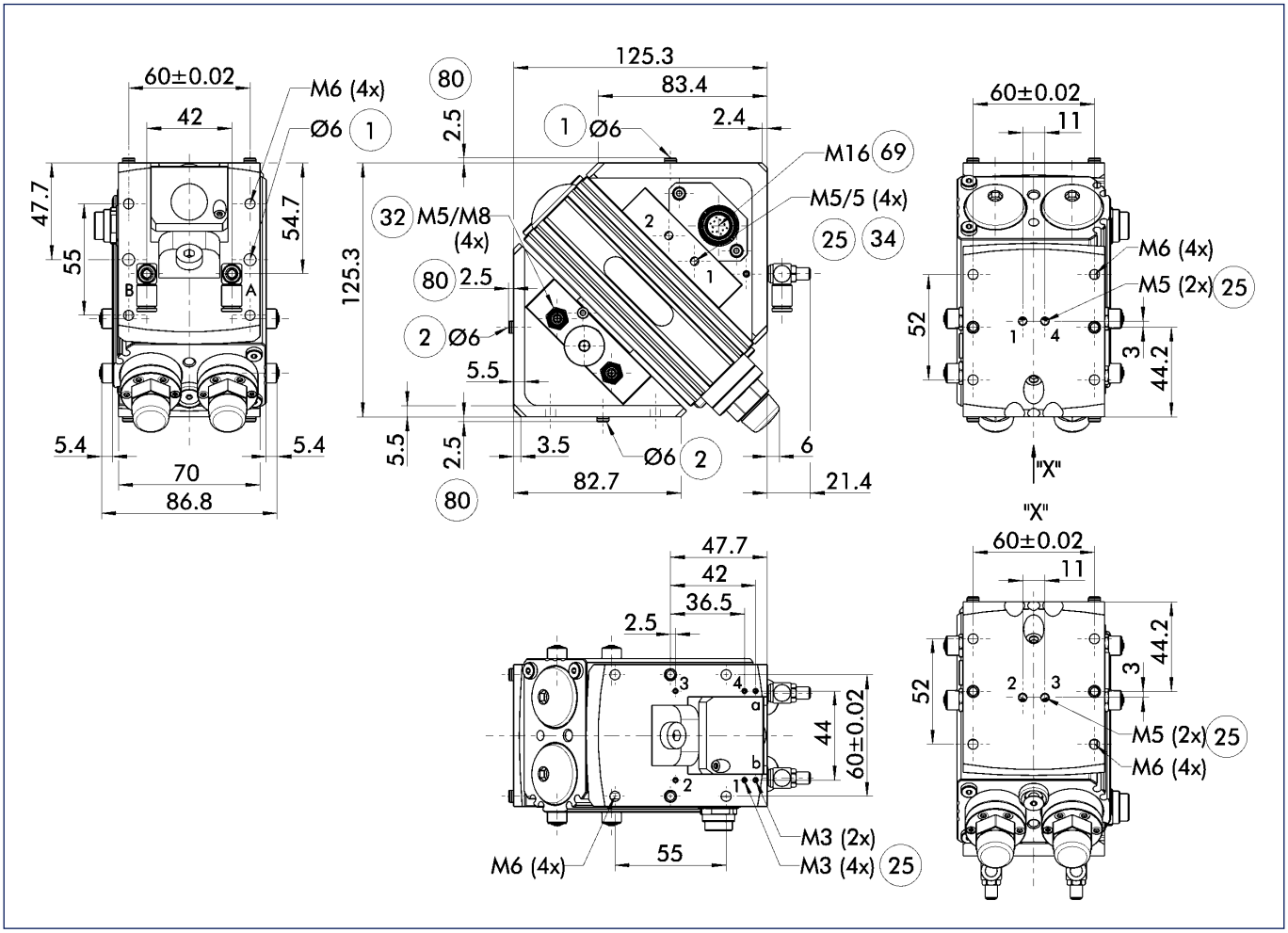


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 20.2-M5	SRH 20.2-M5-A	SRH 20.2-M8	SRH 20.2-M8-A	SRH 20.2-CB
	ID	0359045	0359220	0359046	0359221	0359145
Torque	[Nm]	3.0	3.0	3.0	3.0	3.0
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		4	4	4	4	4
IP class		65	65	65	65	65
Weight	[kg]	2.2	2.2	2.2	2.2	2.1
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	60.0	60.0	60.0	60.0	60.0
Swiveling time with middle attached load	[s]	0.8	0.8	0.8	0.8	0.8
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		4	4	4	4	
Size of the E-connections on the output end.		M5	M5	M8	M8	
Number of cores by EDF		6	6	6	6	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	

Main views



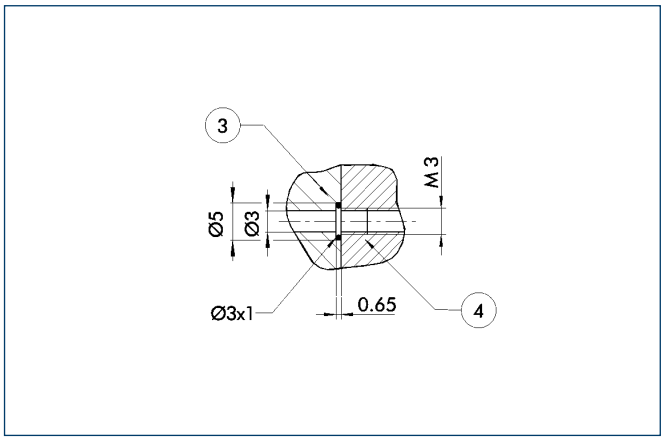
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories“ catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

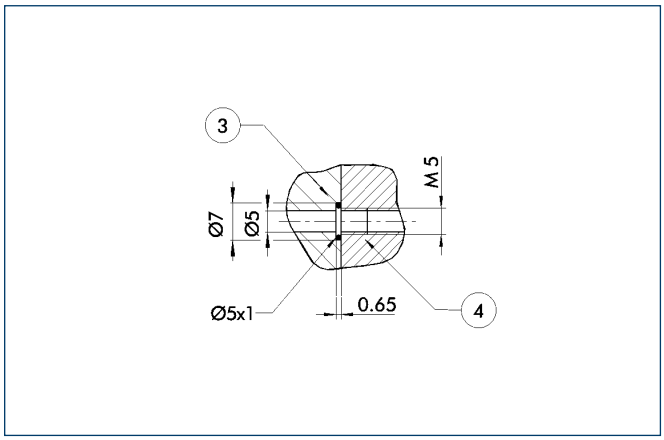
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊽ depth of the centering sleeve hole in the matching part

Direct connection on the connection side



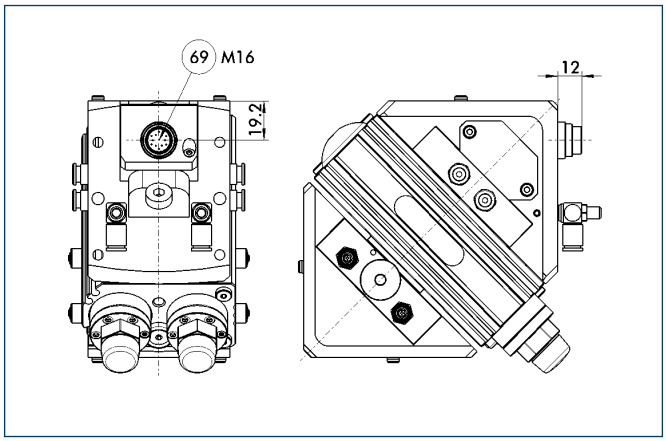
③ Adapter
④ Rotary unit

Direct connection on the output end



③ Adapter
④ Rotary unit

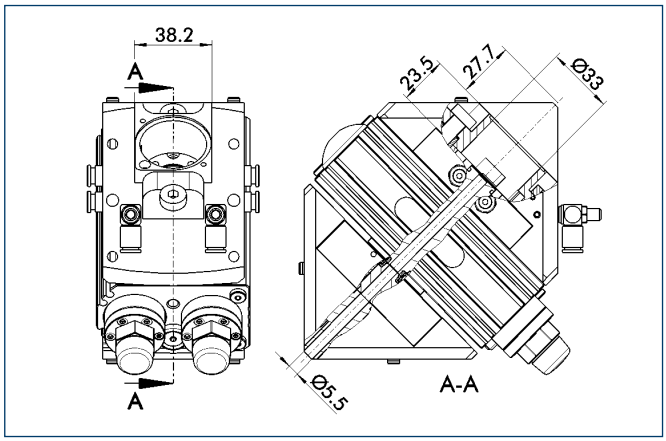
Version A (Axial Cable Connection)



(69) Connection for electric feed-through

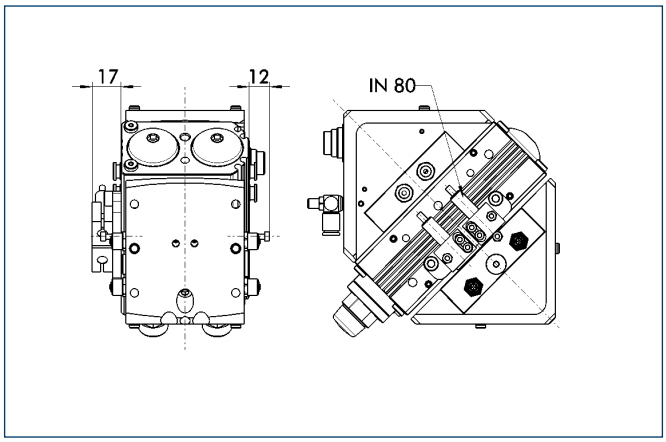
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF“ is long-lasting and safe .

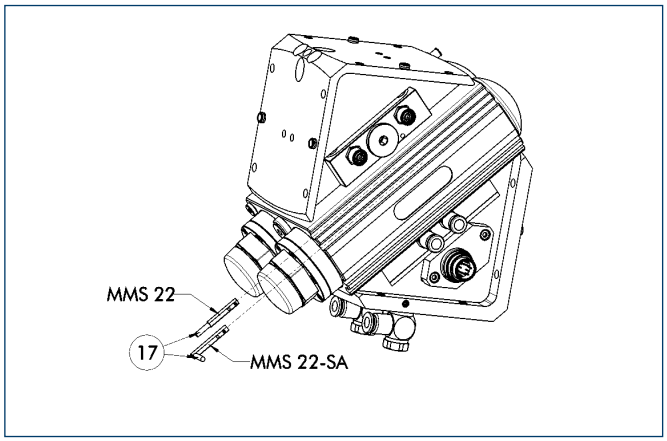
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS-SRH 20/25	0359200

Sensor System

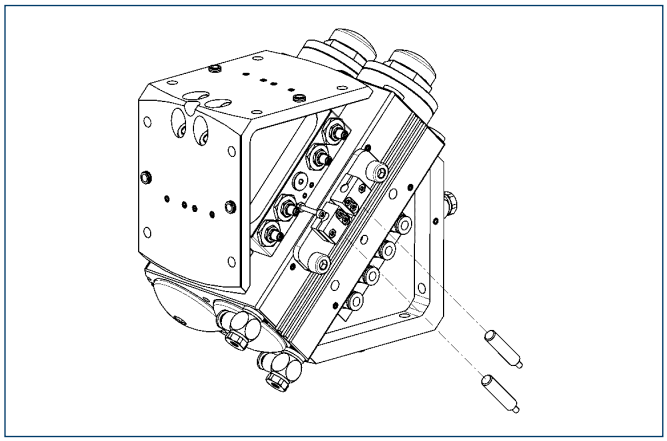


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.



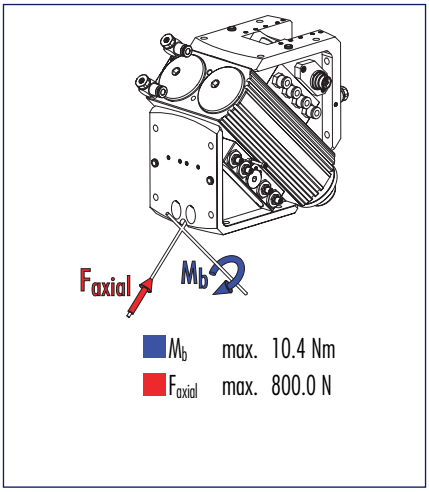
End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS-SRH 20/25	0359200	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

SRH 25

Pinion load

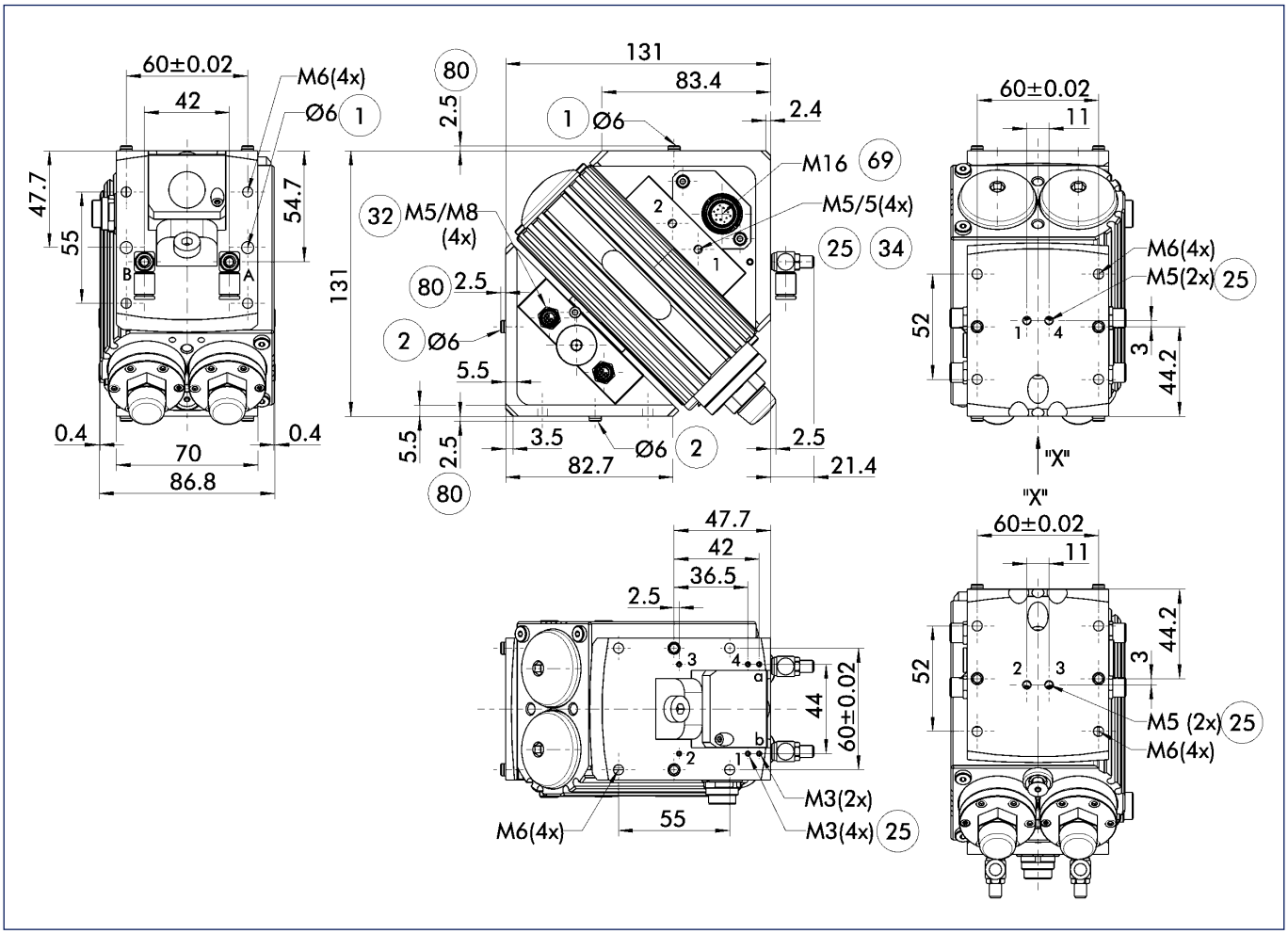


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 25.2-M5	SRH 25.2-M5-A	SRH 25.2-M8	SRH 25.2-M8-A	SRH 25.2-CB
	ID	0359055	0359222	0359056	0359223	0359155
Torque	[Nm]	4.6	4.6	4.6	4.6	4.6
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		4	4	4	4	4
IP class		65	65	65	65	65
Weight	[kg]	2.6	2.6	2.6	2.6	2.5
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	88.0	88.0	88.0	88.0	88.0
Swiveling time with middle attached load	[s]	1.1	1.1	1.1	1.1	1.1
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		4	4	4	4	
Size of the E-connections on the output end.		M5	M5	M8	M8	
Number of cores by EDF		6	6	6	6	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	

Main views



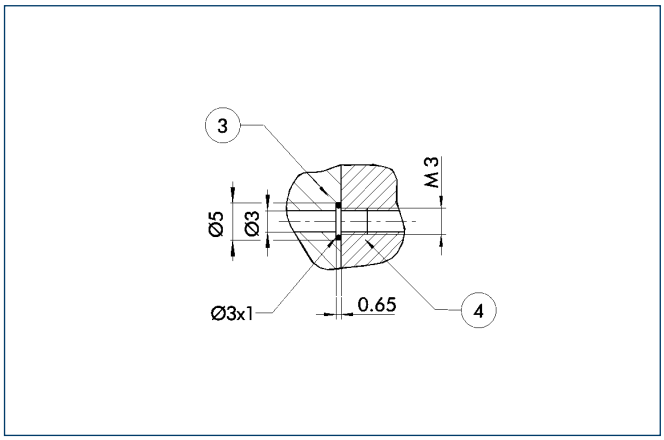
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories“ catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

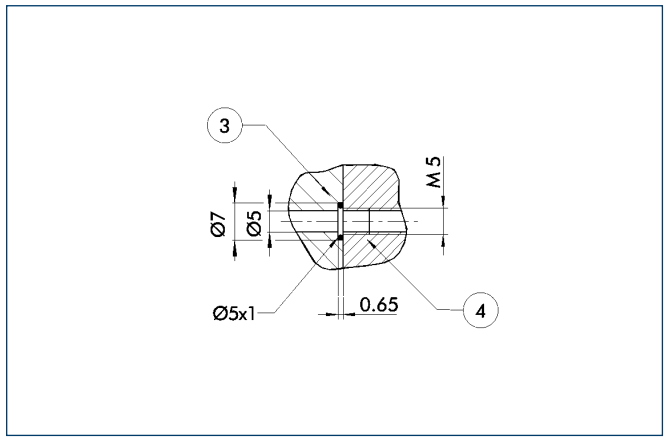
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊽ depth of the centering sleeve hole in the matching part

Direct connection on the connection side



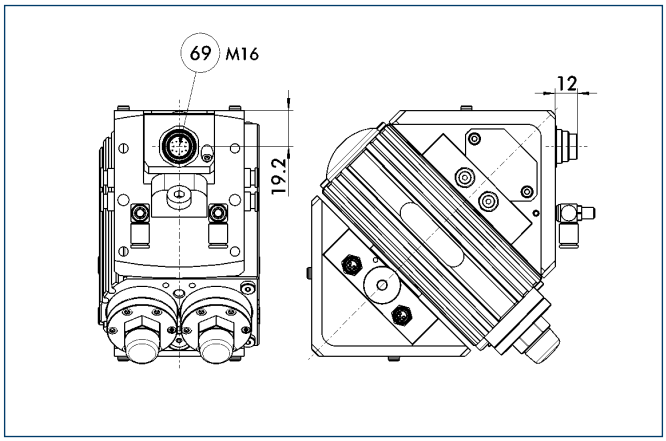
③ Adapter
④ Rotary unit

Direct connection on the output end



③ Adapter
④ Rotary unit

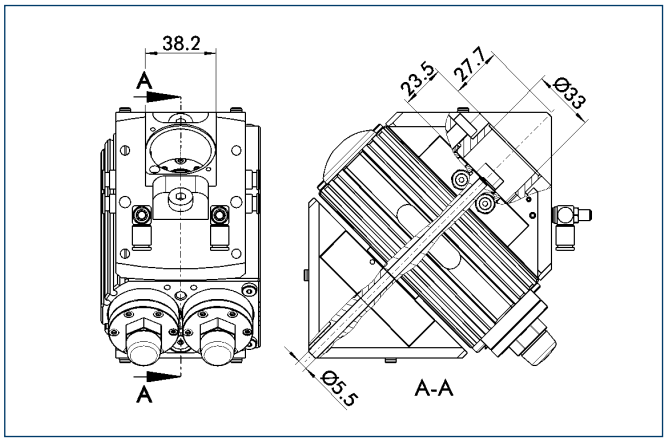
Version A (Axial Cable Connection)



(69) Connection for electric feed-through

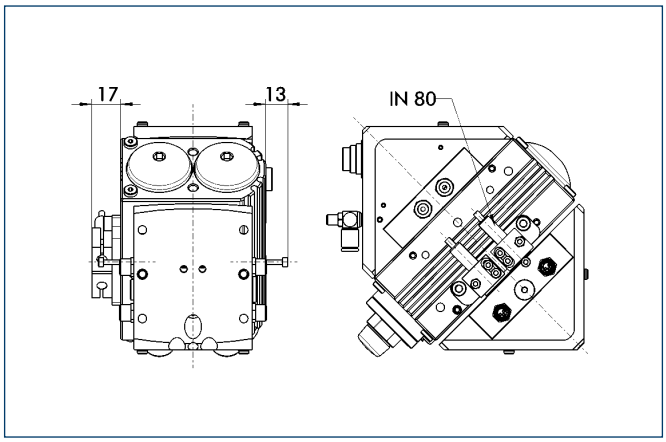
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF“ is long-lasting and safe .

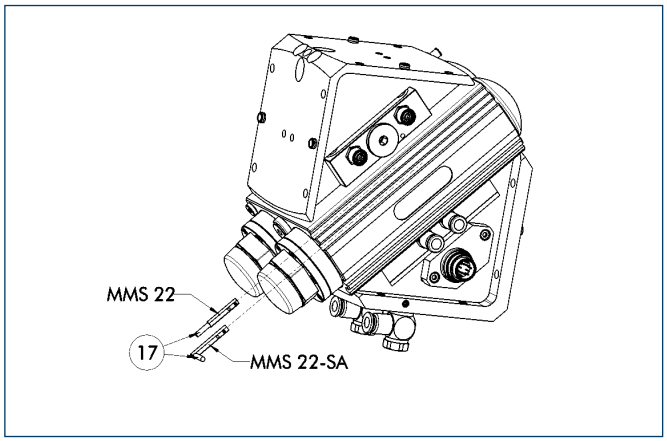
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS-SRH 20/25	0359200

Sensor System

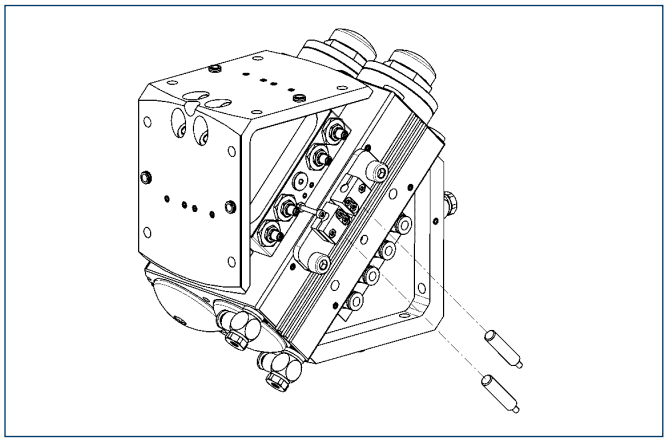


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.



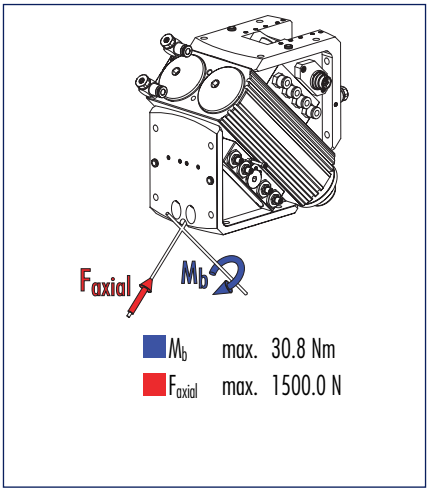
End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS-SRH 20/25	0359200	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

SRH 35

Pinion load

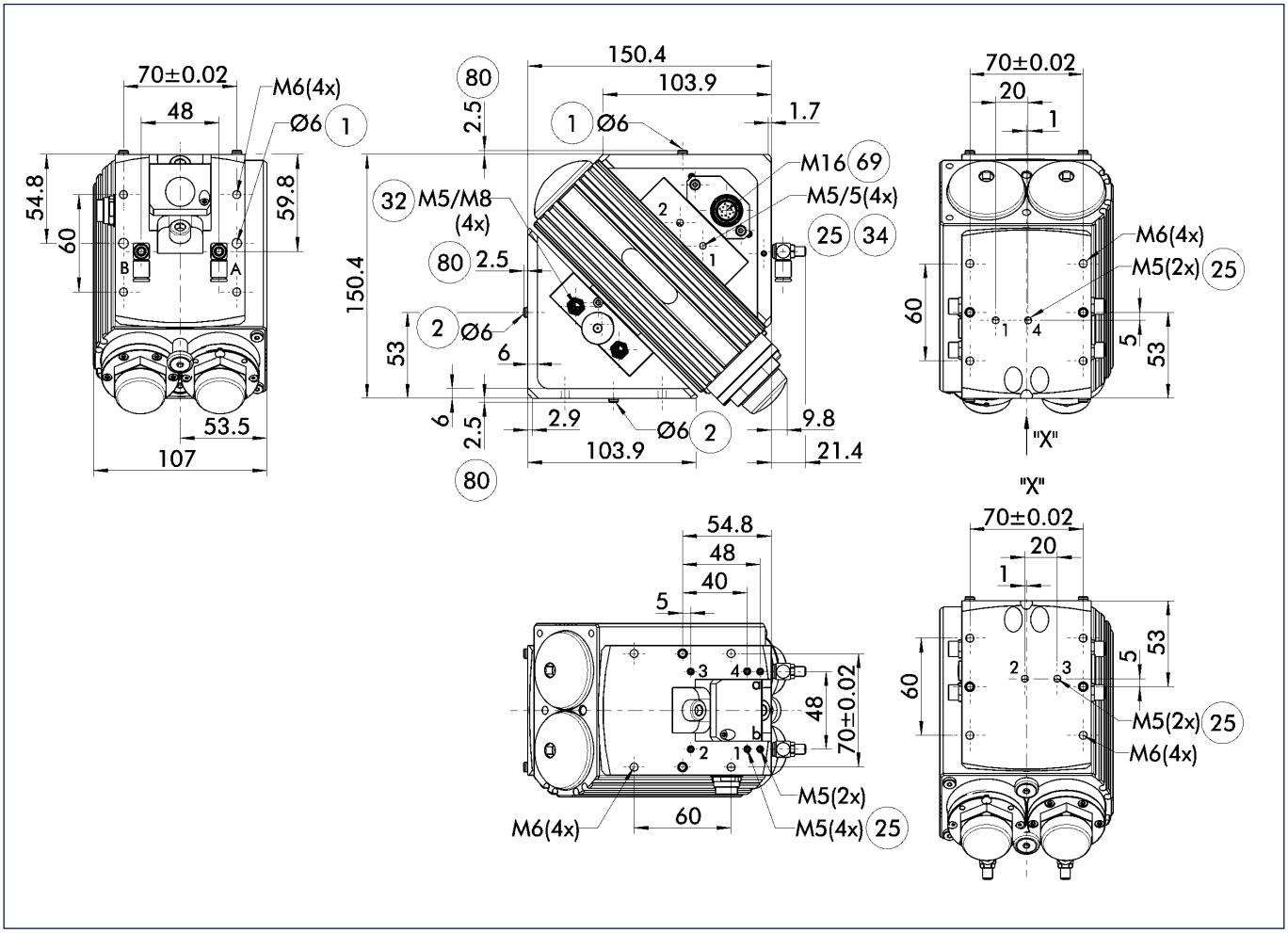


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 35.2-M5	SRH 35.2-M5-A	SRH 35.2-M8	SRH 35.2-M8-A	SRH 35.2-CB
	ID	0359065	0359226	0359066	0359227	0359165
Torque	[Nm]	13.3	13.3	13.3	13.3	13.3
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		4	4	4	4	4
IP class		65	65	65	65	65
Weight	[kg]	4.3	4.3	4.3	4.3	4.2
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	216.0	216.0	216.0	216.0	216.0
Swiveling time with middle attached load	[s]	1.4	1.4	1.4	1.4	1.4
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		4	4	4	4	
Size of the E-connections on the output end.		M5	M5	M8	M8	
Number of cores by EDF		6	6	6	6	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	

Main views



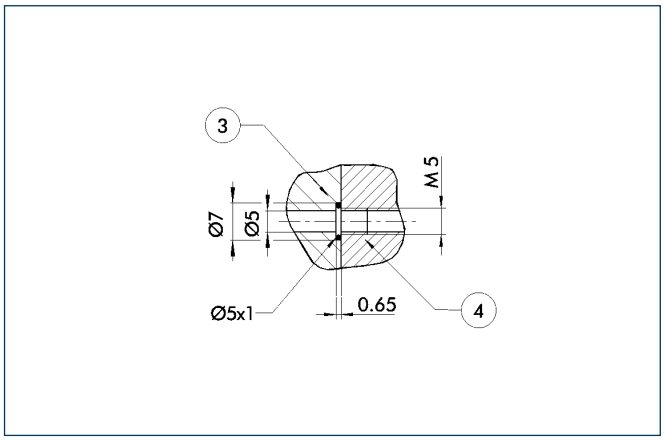
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories“ catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

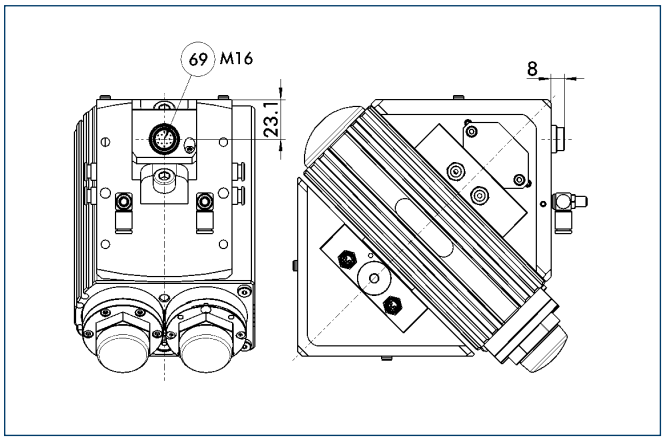
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊽ depth of the centering sleeve hole in the matching part

Direct connection on the output end and the connection side



③ Adapter
④ Rotary unit

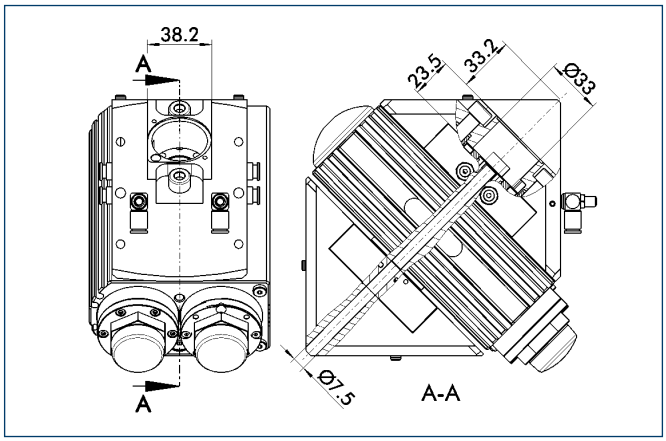
Version A (Axial Cable Connection)



㊾ Connection for electric feed-through

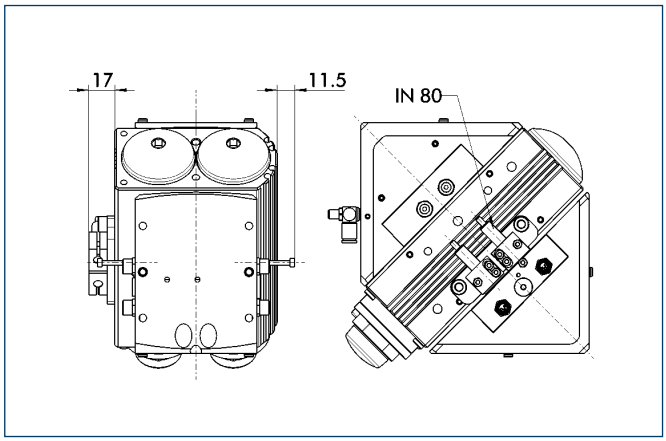
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF" is long-lasting and safe .

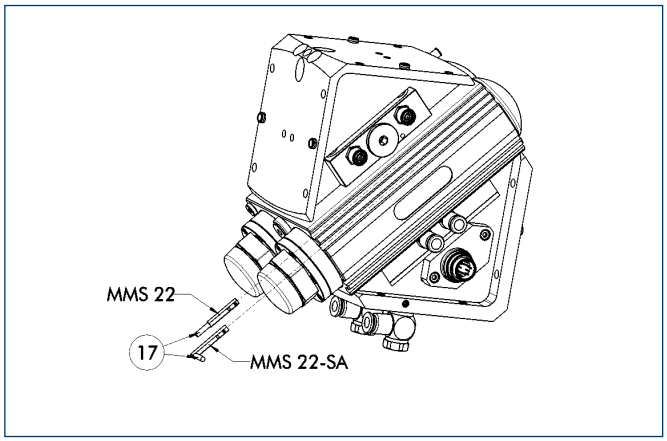
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS- SRH 35	0359201

Sensor System

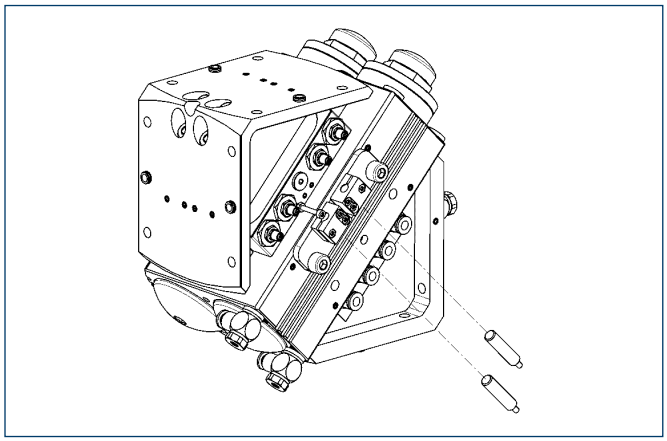


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.



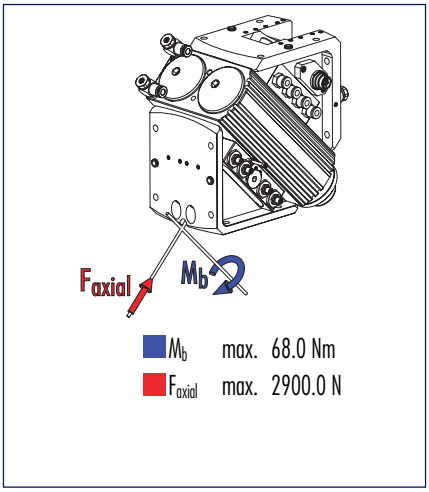
End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS- SRH 35	0359201	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

SRH 40

Pinion load

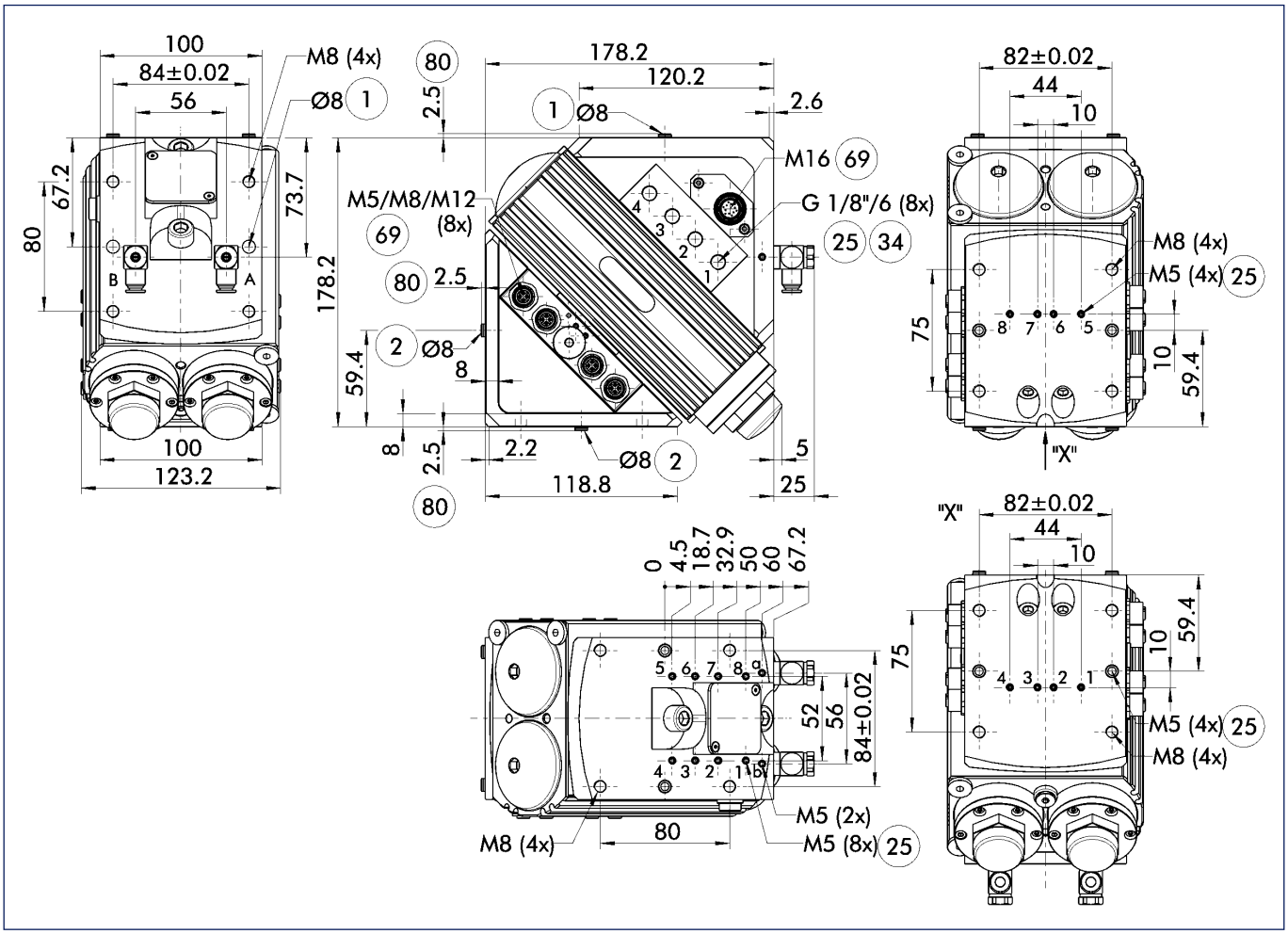


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 40.2-M5	SRH 40.2-M5-A	SRH 40.2-M8	SRH 40.2-M8-A	SRH 40.2-M12	SRH 40.2-M12-A	SRH 40.2-CB
	ID	0359075	0359228	0359076	0359229	0359077	0359230	0359175
Torque	[Nm]	19.1	19.1	19.1	19.1	19.1	19.1	19.1
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		8	8	8	8	8	8	8
IP class		65	65	65	65	65	65	65
Weight	[kg]	6.9	6.9	6.9	6.9	6.9	6.9	6.7
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	336.0	336.0	336.0	336.0	336.0	336.0	336.0
Swiveling time with middle attached load	[s]	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		8	8	8	8	8	8	
Size of the E-connections on the output end.		M5	M5	M8	M8	M12	M12	
Number of cores by EDF		10	10	10	10	10	10	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	1.0	1.0	

Main views



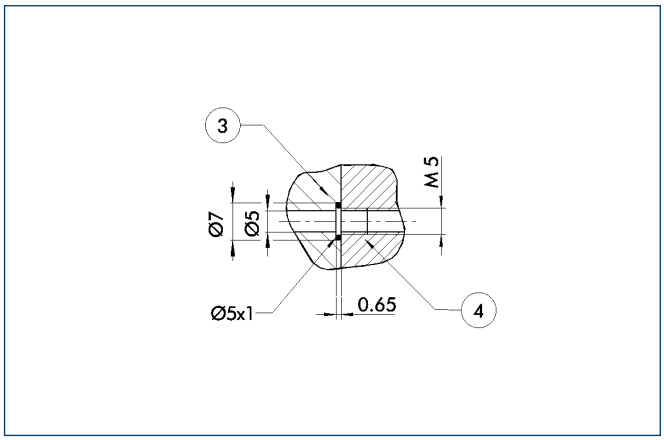
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories“ catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

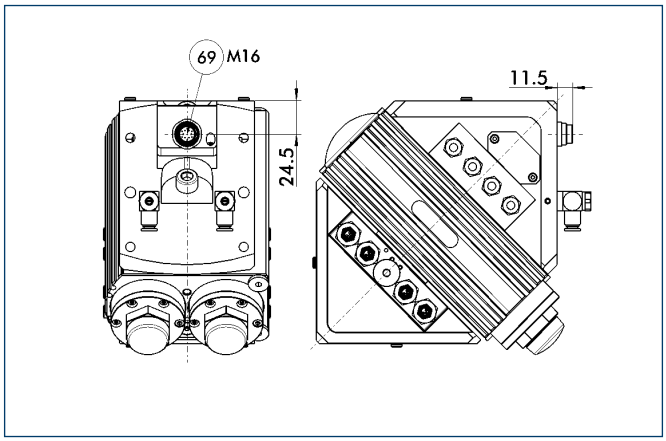
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊿ depth of the centering sleeve hole in the matching part

direct connection on the output end and the connection side



③ Adapter
④ Rotary unit

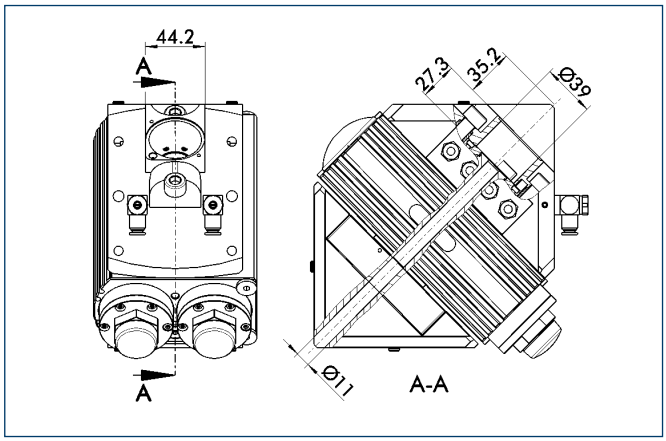
Version A (Axial Cable Connection)



(69) Connection for electric feed-through

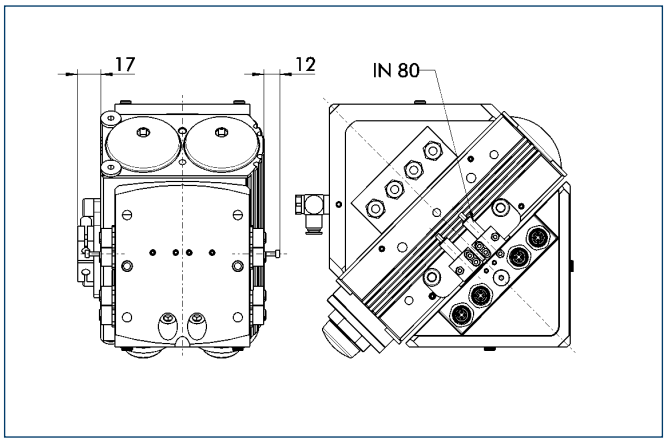
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF“ is long-lasting and safe .

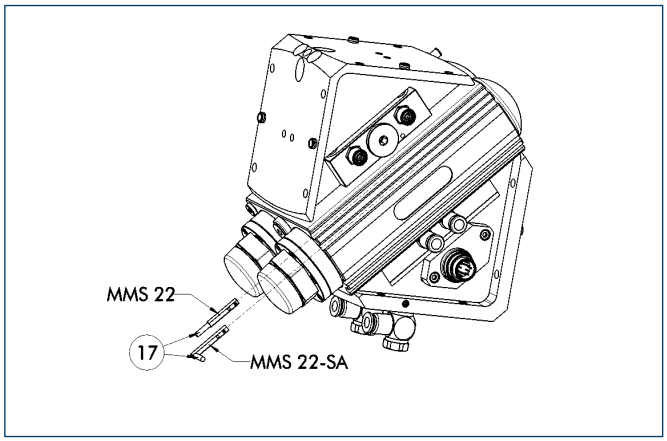
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS-SRH 40	0359202

Sensor System

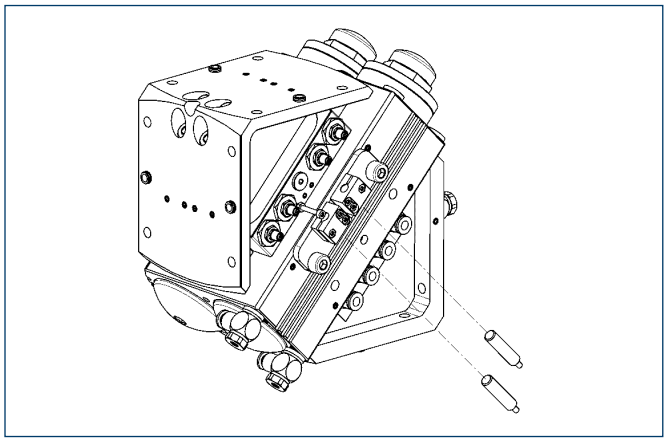


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.



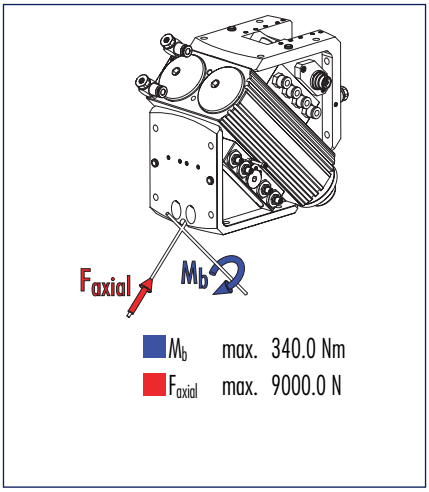
End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS-SRH 40	0359202	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

SRH 50

Pinion load

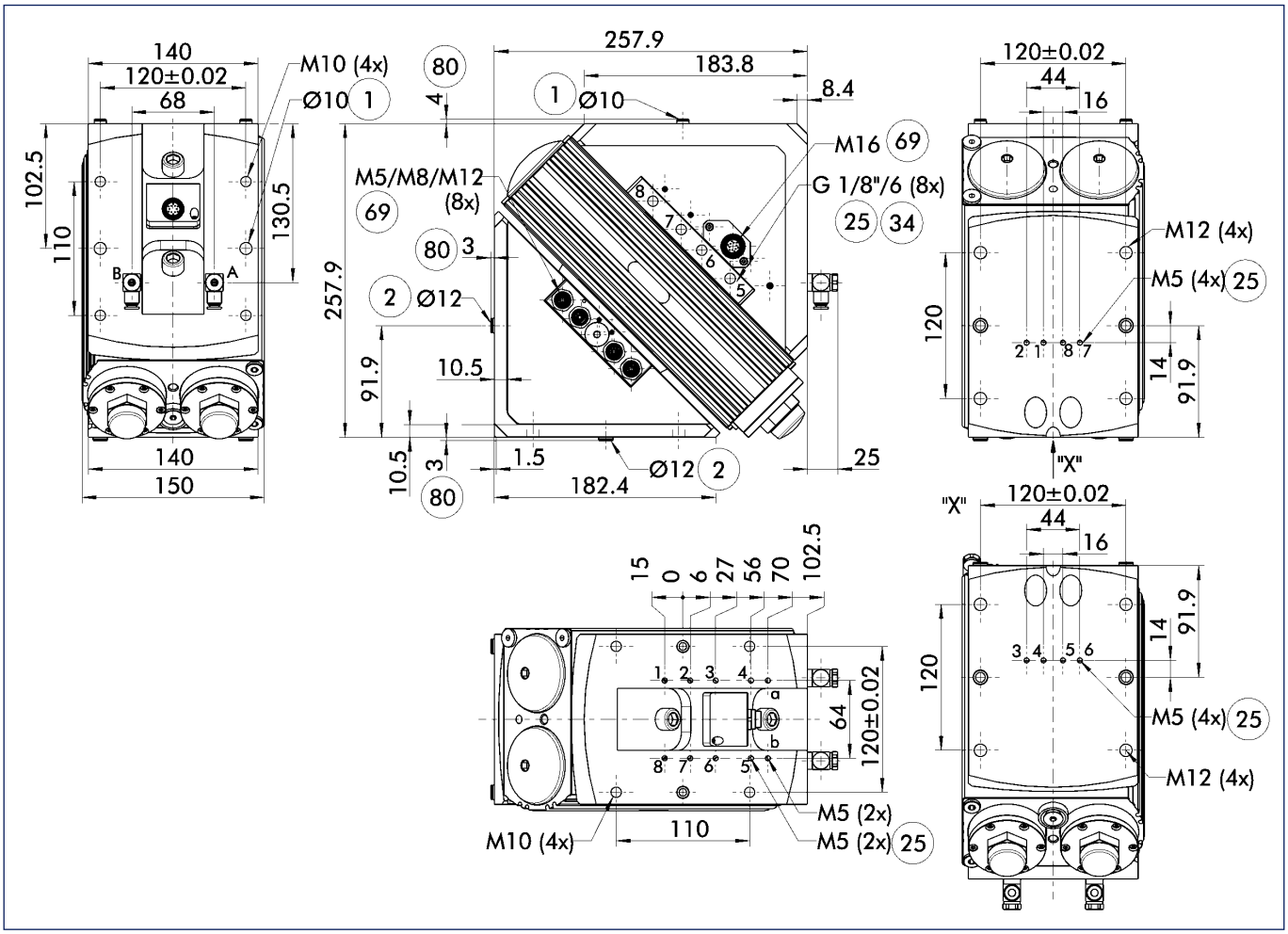


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 50.2-M5	SRH 50.2-M5-A	SRH 50.2-M8	SRH 50.2-M8-A	SRH 50.2-M12	SRH 50.2-M12-A	SRH 50.2-CB
	ID	0359085	0359231	0359086	0359232	0359087	0359233	0359185
Torque	[Nm]	50.2	50.2	50.2	50.2	50.2	50.2	50.2
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		8	8	8	8	8	8	8
IP class		65	65	65	65	65	65	65
Weight	[kg]	17.6	17.6	17.6	17.6	17.6	17.6	17.3
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	776.0	776.0	776.0	776.0	776.0	776.0	776.0
Swiveling time with middle attached load	[s]	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		8	8	8	8	8	8	
Size of the E-connections on the output end.		M5	M5	M8	M8	M12	M12	
Number of cores by EDF		10	10	10	10	10	10	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	1.0	1.0	

Main views



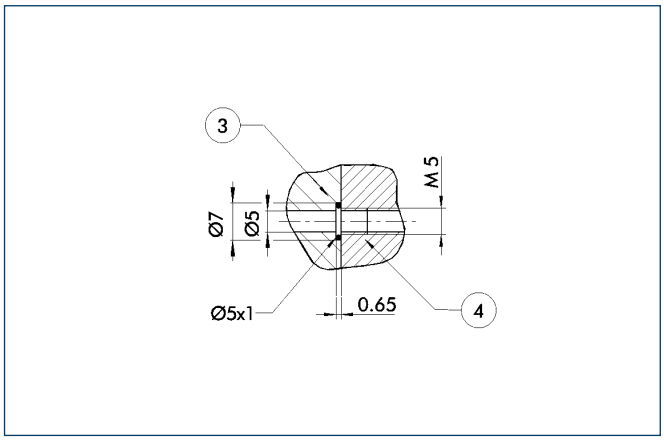
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories" catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

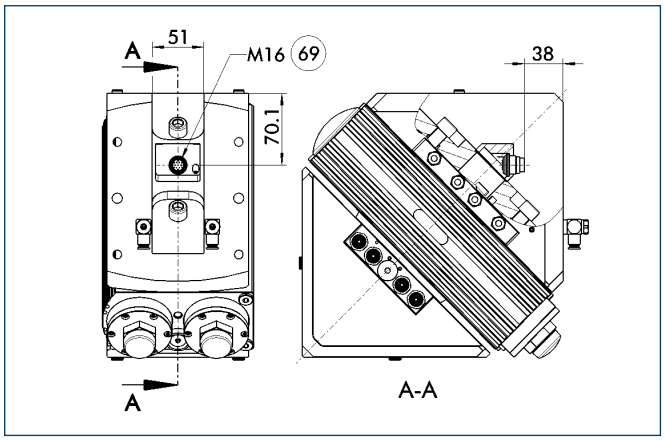
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊽ depth of the centering sleeve hole in the matching part

Direct connection on the output end and the connection side



③ Adapter
④ Rotary unit

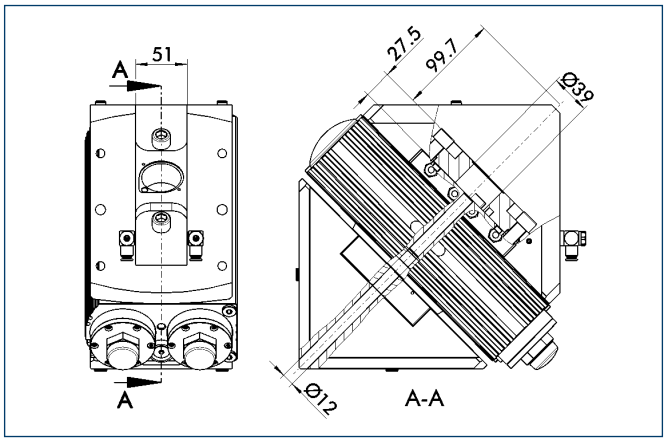
Version A (Axial Cable Connection)



㊾ Connection for electric feed-through

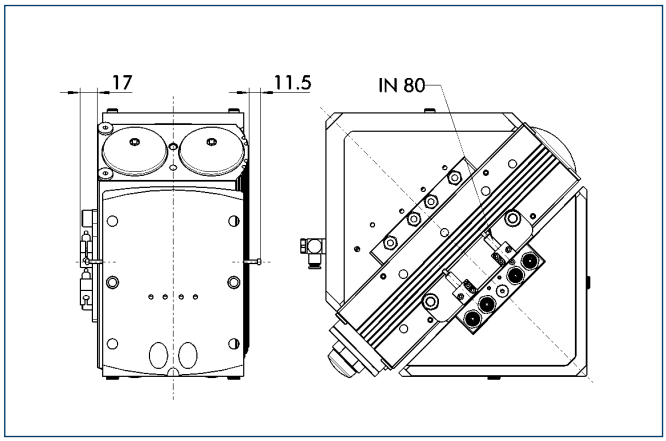
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF" is long-lasting and safe .

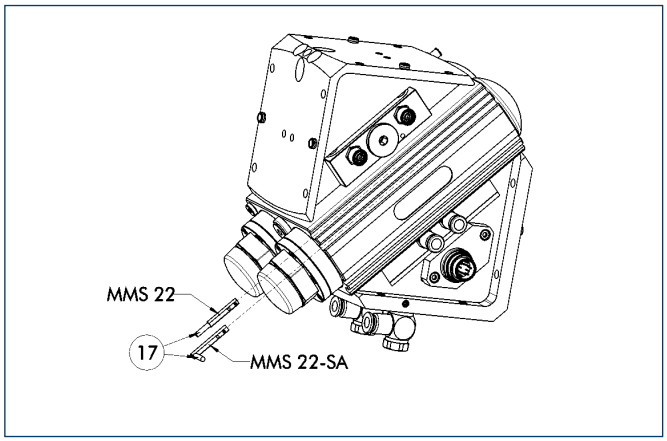
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS-SRH 50/60	0359203

Sensor System

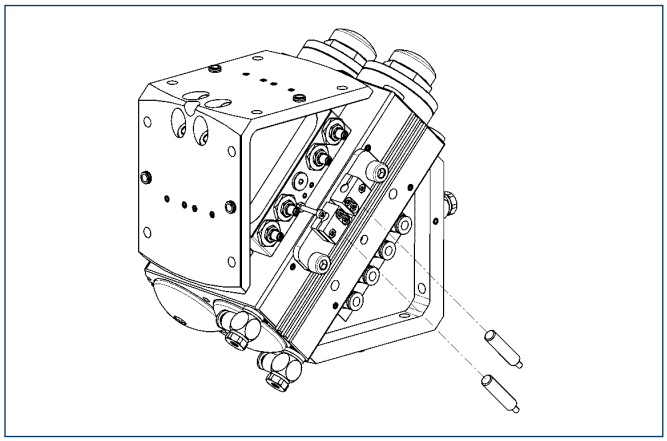


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

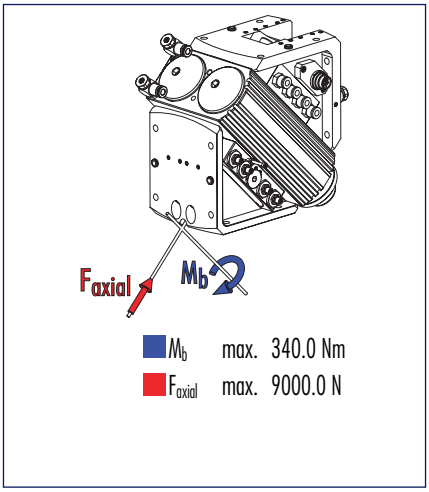


End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS-SRH 50/60	0359203	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.

Pinion load

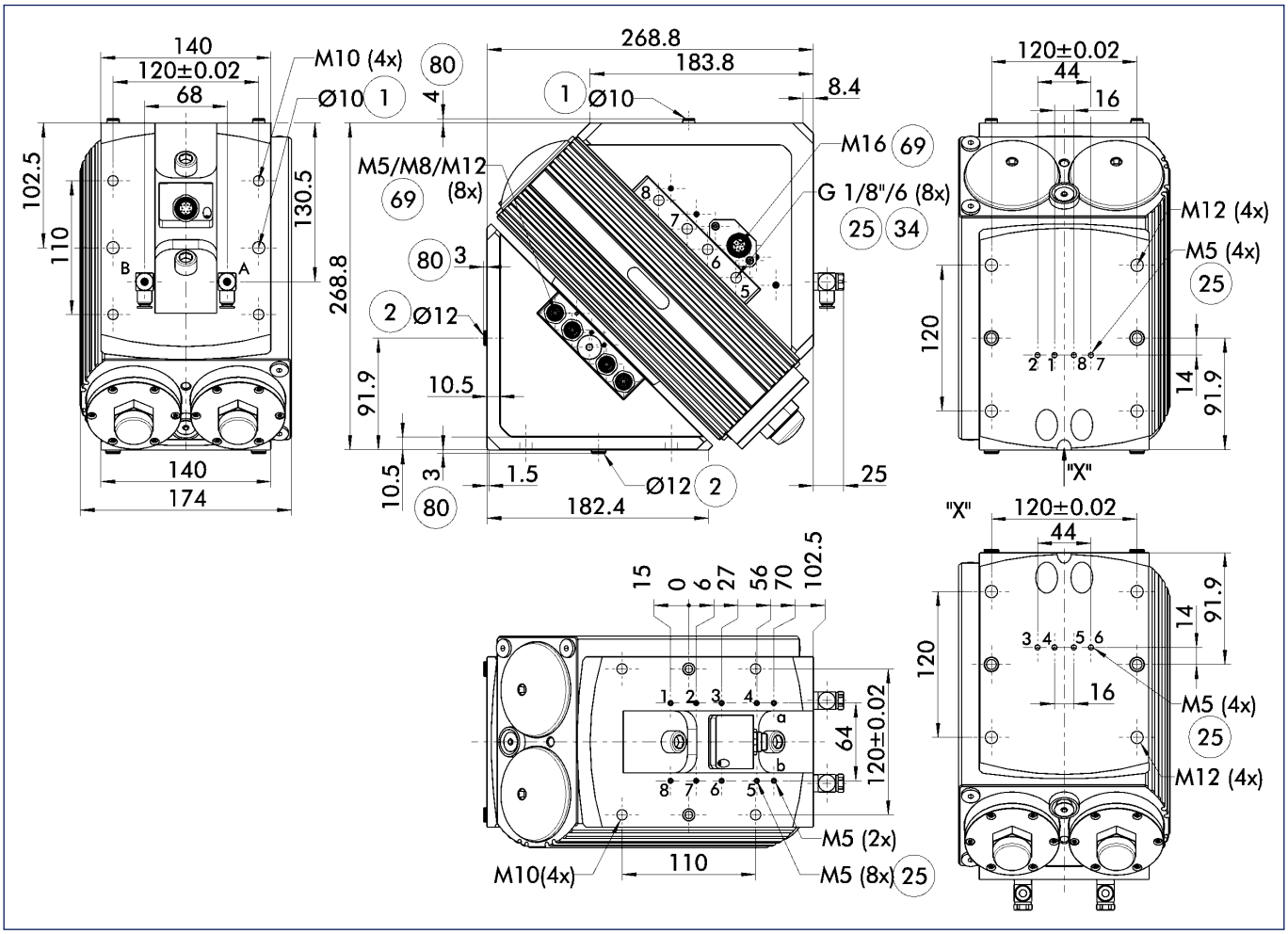


ⓘ Moments and forces may occur simultaneously. When using heavy attachments or ones with high mass moments of inertia, the speed must be restricted to ensure that the rotary movement occurs without any hitting or bouncing.

Technical data

Description		SRH 60.2-M5	SRH 60.2-M5-A	SRH 60.2-M8	SRH 60.2-M8-A	SRH 60.2-M12	SRH 60.2-M12-A	SRH 60.2-CB
	ID	0359095	0359234	0359096	0359235	0359097	0359236	0359195
Torque	[Nm]	69.9	69.9	69.9	69.9	69.9	69.9	69.9
Rotating angle	[°]	180.0	180.0	180.0	180.0	180.0	180.0	180.0
Adjustability of end positions	[°]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
No. of fluid feed-throughs		8	8	8	8	8	8	8
IP class		65	65	65	65	65	65	65
Weight	[kg]	21.2	21.2	21.2	21.2	21.2	21.2	19.9
Fluid Usage Per Cycle (2x Rate Angle)	[cm³]	1120.0	1120.0	1120.0	1120.0	1120.0	1120.0	1120.0
Swiveling time with middle attached load	[s]	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Nominal pressure	[bar]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum pressure	[bar]	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Maximum pressure	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Diameter of connecting hose	[mm]	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Max. pressure in fluid feed-through	[bar]	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Min. ambient temperature	[°C]	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Température ambiante max.	[°C]	60.0	60.0	60.0	60.0	60.0	60.0	60.0
Repeat accuracy	[°]	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Number of E-fittings on the output end		8	8	8	8	8	8	
Size of the E-connections on the output end.		M5	M5	M8	M8	M12	M12	
Number of cores by EDF		10	10	10	10	10	10	
maximum voltage by EDF	[V]	24.0	24.0	24.0	24.0	24.0	24.0	
Max. current per wire	[A]	1.0	1.0	1.0	1.0	1.0	1.0	
Max. overall current	[A]	1.0	1.0	1.0	1.0	1.0	1.0	

Main views



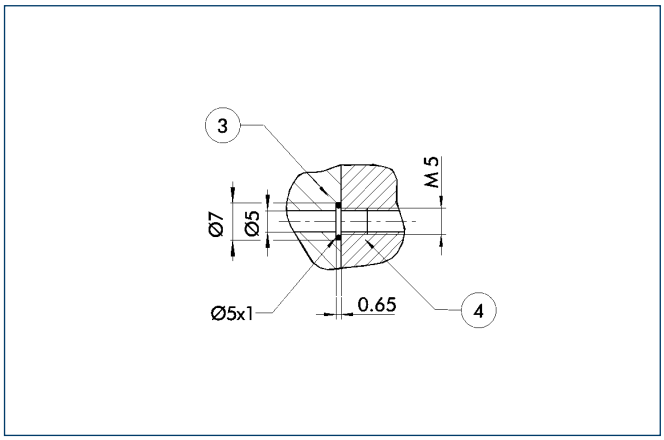
The main view shows the SRH in the version with integrated transmission leadthrough EDF. The swivel head is drawn in the left end position (0°) and turns clockwise till 180°. (view on the output side)

ⓘ The SDV-P pressure maintenance valve can be used to hold the position upon a loss of pressure (see „Accessories" catalog section).

A,a Main/direct connection, clockwise rotary unit
B,b Main/direct connection, anti-clockwise rotary unit

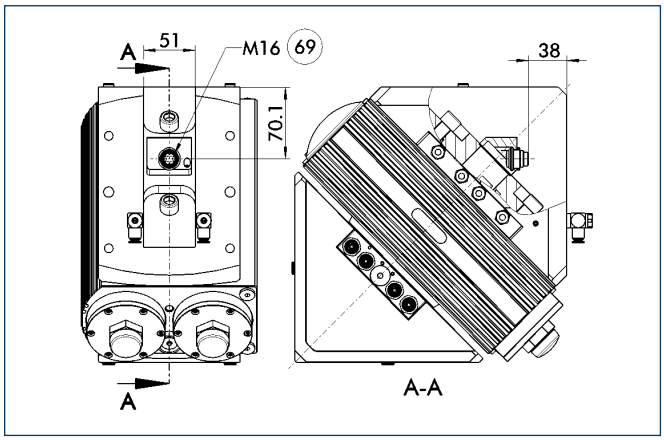
① Rotary unit connection
② Attachment connection
㉕ Fluid feed-through
㉜ flange socket for sensor feed-through
㉞ at both terminal faces
㊾ Connection for electric feed-through
㊽ depth of the centering sleeve hole in the matching part

Direct connection on the output end and the connection side



③ Adapter
④ Rotary unit

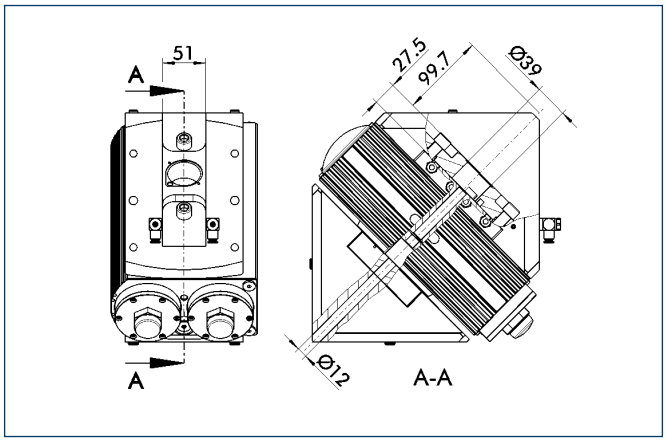
Version A (Axial Cable Connection)



㊾ Connection for electric feed-through

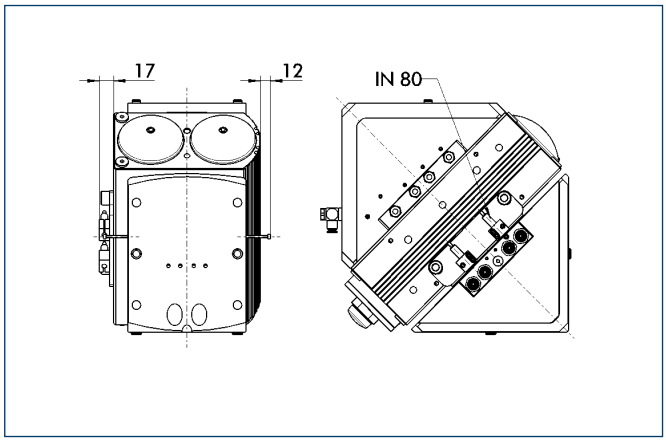
The SRH version with axial cable outlet (-A) is designed for applications, where an additional lateral interfering contour is not acceptable.

Version CB (Center Bore)



The CB-Version with central clearance hole provides the relocation of wires through the swivel head by the customer. Please note, that improper wire-relocation frequently leads to wire-damages. The inset of the swivel head with integrated transmission leadthrough „EDF" is long-lasting and safe .

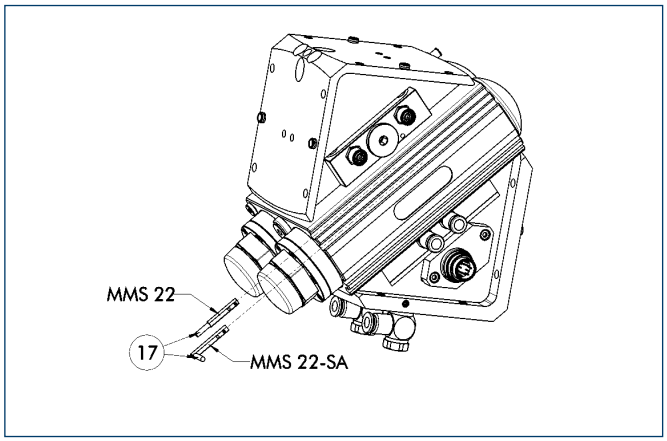
Mounting kit for proximity switch



The mounting kit consists of brackets, switch cams and the associated mounting materials. The proximity switches must be ordered separately.

Description	ID
AS-SRH 50/60	0359203

Sensor System

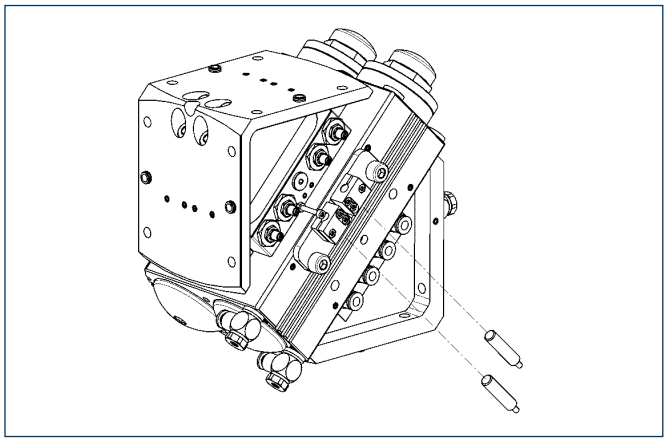


⑰ Cable outlet

End position monitoring:
Electronic magnetic switches, for direct mounting

Description	ID	Recommended product
MMS 22-S-M5-NPN	0301439	
MMS 22-S-M5-NPN-SA	0301449	
MMS 22-S-M5-PNP	0301438	
MMS 22-S-M5-PNP-SA	0301448	
MMS 22-S-M8-NPN	0301433	
MMS 22-S-M8-NPN-SA	0301443	
MMS 22-S-M8-PNP	0301432	•
MMS 22-S-M8-PNP-SA	0301442	
MMSK 22-S-NPN	0301435	
MMSK 22-S-NPN-SA	0301445	
MMSK 22-S-PNP	0301434	
MMSK 22-S-PNP-SA	0301444	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.



End position monitoring:
Inductive proximity switches, mounted with mounting kit

Description	ID	Recommended product
AS-SRH 50/60	0359203	
IN 80-S-M12	0301578	
IN 80-S-M8	0301478	•
IN-C 80-S-M8	0301475	
INK 80-S	0301550	

ⓘ Two sensors (NO contacts) are required for each swivel head, plus extension cables as an option.