

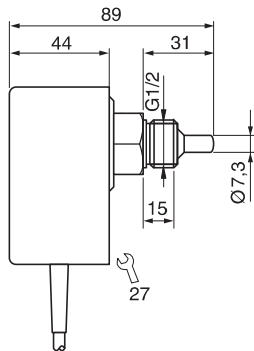
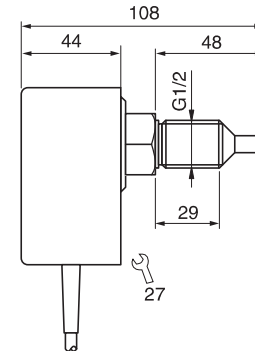

Compact models DC • PNP output

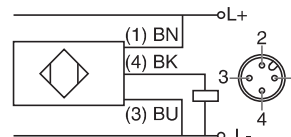
Series SN 450 - Flow controller

DC 24 V

G1/2 thread



Design	G1/2 • L= 31 mm		G1/2 • L= 48 mm	
Dimensions				
Detection range [cm/s]	water 1...150 / oil 3...300			
Output				
Sensor length L [mm]	31	31	48	48
Thread	G1/2	G1/2	G1/2	G1/2
ID-No.	P11241 *	P11161 *	P11228 *	P11162 *
Type	SN 450-A4-GSP	SN 450-A4-GSP-S	SN 450/1-A4-GSP	SN 450/1-A4-GSP-S
Supply voltage [V]	24 DC ±20%			
Current consumption [mA]	60			
Switching current [mA]	400			
Ambient temperature [°C]	-20...+70			
Medium temperature [°C]	-20...+80			
Temperature gradient [K/min]	250			
Start-up time typ. [s]	8 (2...15)			
Reaction time typ. [s]	2 (1...13)			
Compressive strength [bar]	100			
Sensor material	AISI 316 Ti • different materials on request			
Housing material	PBT			
Display flow	LED-array			
Protection [EN 60529]	IP 67			
Connection	2 m PVC-cable 3x0.5 mm ²	M12 connector	2 m PVC-cable 3x0.5 mm ²	M12 connector



Accessories

connecting cable type SLG 3-2, SLG 3-5, SLW 3-2, SLW 3-5, see page 1.91

Compact models DC • Relay output

Series SN 450 - Flow controller

DC 24 V

G1/2 thread



Design	G1/2 • L= 31 mm		G1/2 • L= 48 mm	
Dimensions				
Detection range [cm/s]	water 1...150 / oil 3...300			
Output				
Sensor length L [mm]	31	31	48	48
Thread	G1/2	G1/2	G1/2	G1/2
ID-No.	P11115	P11116	P11078	P11086
Type	SN 450-A4-GR	SN 450-A4-GRS	SN 450/1-A4-GR	SN 450/1-A4-GRS
Supply voltage [V]	24 DC ±20%			
Current consumption [mA]	80			
Switching voltage [V]	250 AC / 60 DC			
Switching current [mA]	4 A AC / 4 A DC	2 A AC / 2 A DC	4 A AC / 4 A DC	2 A AC / 2 A DC
Switching power max.	1000 VA / 60 W	500 VA / 50 W	1000 VA / 60 W	500 VA / 50 W
Ambient temperature [°C]	-20...+70			
Medium temperature [°C]	-20...+80			
Temperature gradient [K/min]	250			
Start-up time typ. [s]	8 (2...15)			
Reaction time typ. [s]	2 (1...13)			
Compressive strength [bar]	100			
Sensor material	AISI 316 Ti • different materials on request			
Housing material	PBT			
Display flow	LED-array			
Protection [EN 60529]	IP 67			
Connection	2 m PVC-cable 5x0.5 mm ²	M12 connector	2 m PVC-cable 5x0.5 mm ²	M12 connector
	1: BN 2: WH 3: BU 4: BK	(1) BN (4) BK (2) WH (3) BU	1: BN 2: WH 3: BU 4: BK	(1) BN (4) BK (2) WH (3) BU
Accessories	connecting cable type SLG 4-2, SLG 4-5, SLW 4-2, SLW 4-5, see page 1.91			

Compact models AC • Relay output

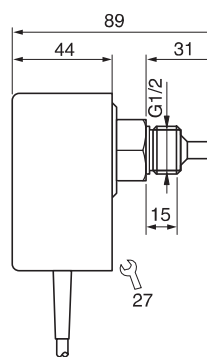
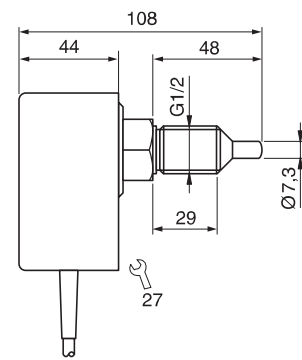

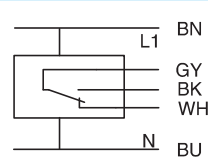
Series SN 450 - Flow controller

AC 230 V • 115 V

Relay output

G1/2 thread



Design	G1/2 • L= 31 mm		G1/2 • L= 48 mm	
Dimensions				
Detection range [cm/s]	water 1...150 / oil 3...300			
Output				
Sensor length L [mm]	31	31	48	48
Thread	G1/2	G1/2	G1/2	G1/2
ID-No.	P11113	P11114	P11074	P11076
Type	SN 450-A4-WR1	SN 450-A4-WR2	SN 450/1-A4-WR1	SN 450/1-A4-WR2
Supply voltage [V]	115 AC ±15%	230 AC ±15%	115 AC ±15%	230 AC ±15%
Current consumption [mA]	60	30	60	30
Switching voltage [V]	250 AC / 60 DC			
Switching current [mA]	4 A AC / 4 A DC			
Switching power max.	1000 VA / 60 W			
Ambient temperature [°C]	-20...+70			
Medium temperature [°C]	-20...+80			
Temperature gradient [K/min]	250			
Start-up time typ. [s]	8 (2...15)			
Reaction time typ. [s]	2 (1...13)			
Compressive strength [bar]	100			
Sensor material	AISI 316 Ti • different materials on request			
Housing material	PBT			
Display flow	LED-array			
Protection [EN 60529]	IP 67			
Connection	2 m PVC-cable 5x0,5 mm ²			
				

Compact models AC/DC • Extra long

Series SN 450 - Flow controller

AC 230 V • AC 115 V

DC 24 V

Relay output

G1/2 thread



Design	G1/2 • L= 80 mm			G1/2 • L= 120 mm		
Dimensions						
Detection range [cm/s]	water 1...150 / oil 3...300					
Output						
Sensor length L [mm]	80	80	80	120	120	120
Thread	G1/2	G1/2	G1/2	G1/2	G1/2	G1/2
ID-No.	P11079	P11080	P11081	P11082	P11083	P11084
Type	SN450/2-A4-WR1	SN450/2-A4-WR2	SN450/2-A4-GR	SN450/3-A4-WR1	SN450/3-A4-WR2	SN450/3-A4-GR
Supply voltage [V]	115 AC ±15%	230 AC ±15%	24 DC ±20%	115 AC ±15%	230 AC ±15%	24 DC ±20%
Current consumption [mA]	60	30	80	60	30	80
Switching voltage [V]	250 AC / 60 DC					
Switching current [mA]	4 A AC / 4 A DC					
Switching power max.	1000 VA / 60 W					
Ambient temperature [°C]	-20...+70					
Medium temperature [°C]	-20...+80					
Temperature gradient [K/min]	250					
Start-up time typ. [s]	8 (2...15)					
Reaction time typ. [s]	2 (1...13)					
Compressive strength [bar]	100					
Sensor material	AISI 316 Ti • different materials on request					
Housing material	PBT					
Display flow	LED-array					
Protection [EN 60529]	IP 67					
Connection	2 m PVC-cable 5x0.5 mm ²					