

- Solenoid coils
- Solenoid coils with ATEX certification
- Plug sockets
- Plug sockets with cable
- Illuminating seals
- Multi-pin distributors
- Manual override tools
- Inscription labels
- Mounting rails

Specified types in accordance with ATEX directive for potentially explosive atmospheres

→ [www.festo.com/en/ex](http://www.festo.com/en/ex)

# Cover caps

Technical data – Isolating discs

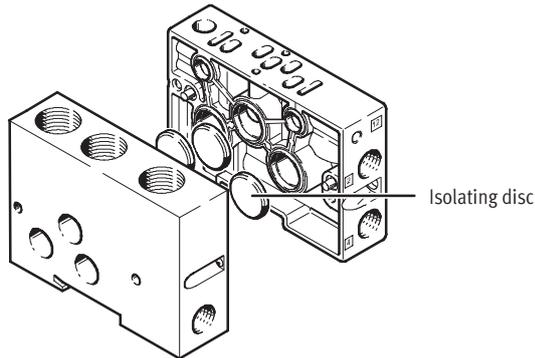
Isolating discs are used to seal air ducts within a valve terminal. This enables different pressure zones to be created, for example.



Ordering data							
View	Product weight [g]	Material	Thickness [mm]	O.D. [mm]	Nominal size [inch]	Part No.	Type
	–	Wrought aluminium alloy	6.6	30	1/2	18 746	NSC-1/2-03-7,0
	3.6	Wrought aluminium alloy	1.4	19.65	1/2	161 105	NSC-1/2-01-VDMA
	2	Wrought aluminium alloy	1.4	16.65	3/8	161 113	NSC-3/8-01-VDMA

## Example illustrating the fitting of isolating discs

NSC-...-VDMA



- The figure shows the isolating discs inserted between the adapter plate and valve sub-base.
- Other positioning options are possible (e.g. between two valve sub-bases).

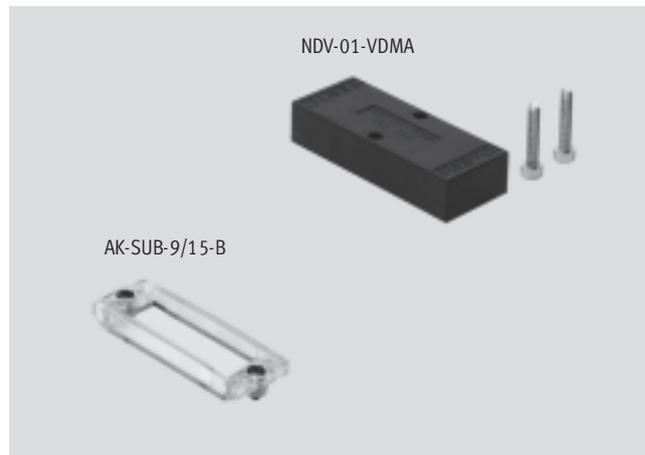
# Cover caps

Technical data

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Blanking plates allow connections that are not currently required to be sealed off. They guarantee the following functions:

- Operation of the respective component
- Attainment of a protection class
- Hazard prevention (e.g. by covering current carrying parts)

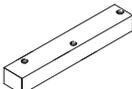
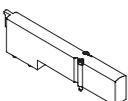


Ordering data							
View	Product weight [g]	Material	Mounting	Operating pressure [bar]	Dimensions (LxWxH) [mm]	Part No.	Type
	20	Polyamide, transparent	2 M3x10 screws	–	62 x 20 x 8	533 334	AK-SUB-9/15-B
	20	Polyamide	2 M3x16 screws	–	62 x 20 x 14	557 010	AK-SUB-9/15
	10	Polyamide, transparent	2 M3x14 screws	–	20 x 33 x 8	534 496	AK-Rj45
	54	Die-cast zinc, nickel-plated	–	–	58 x 30 x 22	548 753	CPX-M-AK-C
	32	Die-cast zinc	2 M3x16 screws	–	49 x 11 x 13	548 754	CPX-M-AK-M
	103	Polypropylene	2 M3x45 screws	–0.9...10	158 x 24 x 42	193 140	CDVI5.0-A-P-2
	7	Polyamide	2 M2x10 screws	10	41 x 12.6 x 9.3	527 062	CPASC1-RP
	19	–	–	–0.9...7	–	527 527	CPASC1-RP-B
	19	–	–	–0.9...7	–	527 575	CPVSC1-RP

# Cover caps

Technical data

FESTO

Ordering data							
View	Product weight [g]	Material	Mounting	Operating pressure [bar]	Dimensions (LxWxH) [mm]	Part No.	Type
	98	Die-cast aluminium	2 M4X12 screws	–	170,6 x 32 x 11	<b>18 068</b>	<b>IAP-02-1/4</b>
	80	Die-cast aluminium	2 M4X12 screws	–	159,1 x 26 x 11	<b>18 067</b>	<b>IAP-02-1/8</b>
	73	Die-cast aluminium	2 M4x12 screws	–0.9...10	150 x 24 x 17	<b>18 745</b>	<b>IAP-03-7,0</b>
	22	Polyamide	3 M3x14 screws	–0.9...10	115 x 18 x 8	<b>18 648</b>	<b>IAP-03.4,0</b>
	32	Polyamide	2 M2x22 screws	Max. 25	102.4 x 12.6 x 18.4	<b>533 351</b>	<b>VMPA1-RP<sup>1)</sup></b>
	36	Polyacetate	2 M4x20 screws	Max. 16	66 x 26 x 14	<b>161 107</b>	<b>NDV-01-VDMA</b>

1) A self-adhesive label is supplied.

Operating and environmental conditions			
	Instructions for material	Approval	Protection class to EN 60529 (assembled)
AK-SUB-9/15-B	–	–	IP65/IP67
AK-SUB-9/15	Conforms to RoHS	–	IP65/IP67
AK-RJ45	–	–	IP65/IP67
CPX-M-AK-C	Conforms to RoHS	UL94 V0	IP65/IP67
CPX-M-AK-M	Conforms to RoHS	–	IP65/IP67
CDVI5.0-A-P-1	–	–	IP65/IP67
CDVI5.0-A-P-2	–	–	IP65/IP67
CPASC1-RP	–	–	–
CPVSC1-RP-B	–	–	IP40
CPVSC1-RP	–	–	IP40
IAP-02-1/4	–	–	–
IAP-02-1/8	–	–	–
IAP-03-7,0	–	–	–
IAP-03.4,0	–	–	–
VMPA1-RP	–	–	–
NDV-01-VDMA	Free of copper and PTFE	–	–

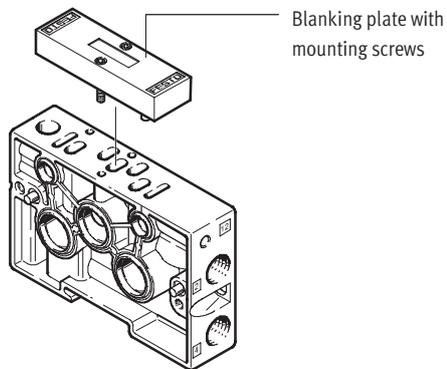
# Cover caps

Technical data

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## Examples illustrating the attachment of a blanking plate

CPV10-VI-...



- The blanking plate is mounted instead of a valve on the valve terminal.
- A seal between the blanking plate and sub-base closes the connection with a pressure tight seal.
- The blanking plates AK... are used to cover a vacant electrical connection.

# Cover caps

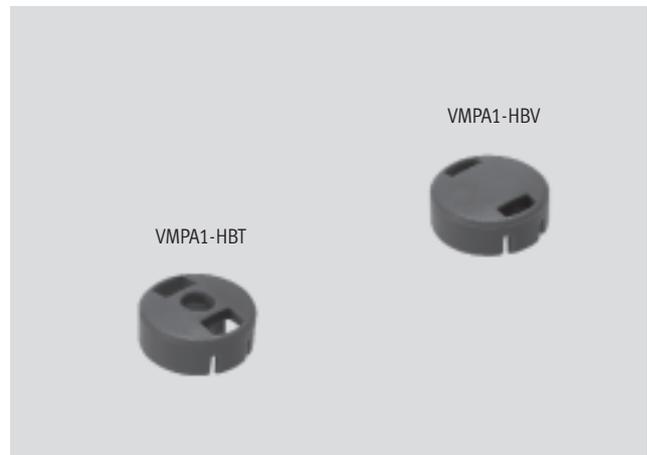
Technical data – Cover caps for manual override

These protective caps allow manual overrides to be locked. They are also protected against accidental actuation.



Note

It is recommended that you use a pointed tool (screwdriver) to remove the covers from the manual override. Re-use is not advisable.



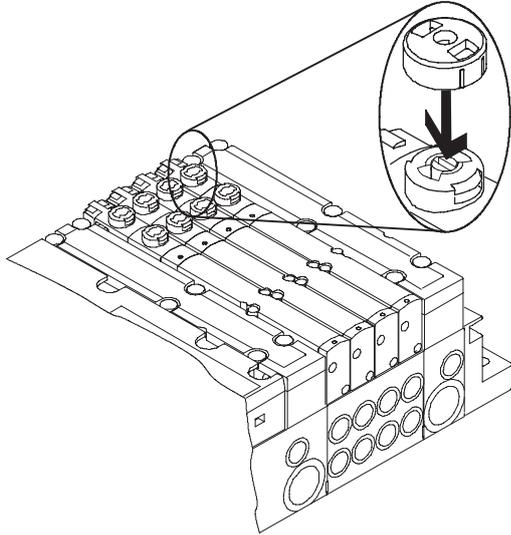
Ordering data						
View	Product weight [g]	Function	Material	Dimensions [mm]	Part No.	Type
	3	Locks the manual override (turning with detent) in the unactuated position and at the same time enables the non-detenting manual override.	Polyacetal (Delrin)	Ø 9.8	533 366	VMPA1-HBT
	3	Locks the manual override (turning with detent) in the unactuated position and at the same time covers the non-detenting manual override.	Polyacetal (Delrin)	Ø 9.8	535 257	VMPA1-HBV
	2	Covers the manual override (turning with detent) in the actuated or unactuated position.	Polyacetal (Delrin)	Ø 10.1	527 393	CPASC1-MO-V
					527 642	CPVSC1-HV
	2.7	Locks the detenting manual override in the actuated or unactuated position.	Polyacetal CoPo (Hostaform)	HxW: 8.2 x 9.6	530 055	CPV10/14-HV
	7.7	When the detenting manual override is in the unactuated position, the non-detenting manual override is covered at the same time.			530 056	CPV18-HV
				Polycarbonate (Makrolon)	HxW: 12.5 x 17.2	526 235
	1.7	Locks the detenting manual override in the actuated or unactuated position.	Polyacetal HoPo (Delrin)	HxW: 3.5 x 9.6	526 203	CPV10/14-HS
	5.1				526 204	CPV18-HS
				Polycarbonate (Makrolon)	HxW: 6.1 x 17.2	526 237

# Cover caps

Technical data

## Examples illustrating the attachment of protective caps to manual overrides

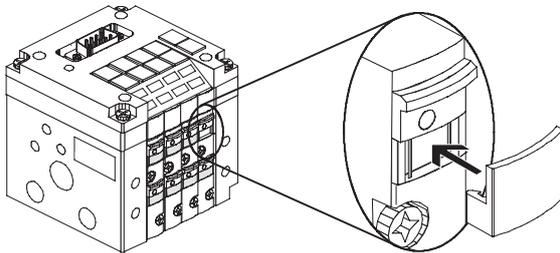
### Manual override, detenting via turning



Cover  
VMPA1-HBT

- The protective cap is placed on the manual override and locked into position.

### Manual override, detenting with slide



Cover  
CPV10/14-HV

- The manual override is brought into the desired position (unactuated) and the cover is placed on the slide track of the manual override and locked into position.

# Cover caps

Technical data – Plugs

Plugs are inserted/screwed into connections that are not required in order to close these. They guarantee the following functions:

- Operation of the respective component
- Attainment of a protection class
- Hazard prevention (e.g. by covering current carrying parts)



Ordering data								
View	Product weight [g]	Material	Drive	Thread	Length [mm]	Special features	Part No.	Type
	0.8	Wrought aluminium alloy	External hexagon SW7	M5	8	IP65 (assembled)	<b>3 843</b>	<b>B-M5</b>
	1.2	Free cutting steel	Internal hexagon SW2.5	M5	6.5	IP65 (assembled)	<b>174 308</b>	<b>B-M5-B</b>
	2.6		Internal hexagon SW3	M7	8	IP65 (assembled)	<b>174 309</b>	<b>B-M7</b>
	6.8	Galvanised steel	Internal hexagon SW5	G $\frac{1}{8}$	11	IP65 (assembled)	<b>3 568</b>	<b>B-<math>\frac{1}{8}</math></b>
	15.3		Internal hexagon SW6	G $\frac{1}{4}$	15	IP65 (assembled)	<b>3 569</b>	<b>B-<math>\frac{1}{4}</math></b>
	24		Internal hexagon SW8	G $\frac{3}{8}$	15	IP65 (assembled)	<b>3 570</b>	<b>B-<math>\frac{3}{8}</math></b>
	42		Internal hexagon SW10	G $\frac{1}{2}$	18	IP65 (assembled)	<b>3 571</b>	<b>B-<math>\frac{1}{2}</math></b>
		Wrought aluminium alloy	External hexagon SW8	M6	14.4	CRC 4 <sup>1)</sup> IP65/67 (assembled)	<b>532 476</b>	<b>CDVI-5.0-B-M6</b>
	9.9		External hexagon SW10	G $\frac{1}{8}$	14		<b>196 720</b>	<b>CDVI-5.0-B-G<math>\frac{1}{8}</math></b>
	35.1		External hexagon SW15	G $\frac{3}{8}$	21.5		<b>196 712</b>	<b>CDVI-5.0-B-G<math>\frac{3}{8}</math></b>
	6.9	Polyamide 6, (Wellamid)	External hexagon SW11/Phillips screwdriver H3	M8	10.5	IP65 (assembled)	<b>177 672</b>	<b>ISK-M8</b>
	1.5		External hexagon SW14/Phillips screwdriver H3	M12	13.5	IP65 (assembled)	<b>165 592</b>	<b>ISK-M12</b>

1) Corrosion resistance class 4 according to Festo standard 940 070  
Components requiring higher corrosion resistance. Parts used with aggressive media, e.g. food or chemical industry. These applications should be supported with special tests with the media if required.

# Cover caps

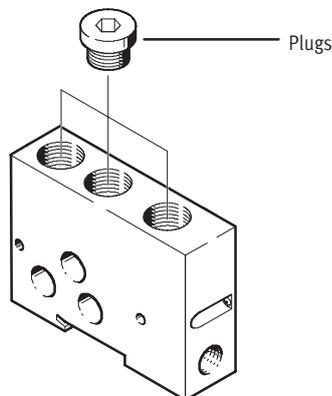
Technical data – Plugs

FESTO

Ordering data								
View	Product weight [g]	Material	Drive	Dia. of sealable opening	Length [mm]	Special features	Part No.	Type
	17.4	High-alloy steel (X14CrMoS17), galvanised steel, polyacetal, NBR	External hexagon SW8/slotted head screwdriver	15 mm	16.2	-0.95 ... 16 bar hermetically sealed	<b>160 997</b>	<b>PRSV-1/8</b>
	26.7		External hexagon SW10/slotted head screwdriver	19 mm	17.3		-0.95 ... 16 bar hermetically sealed	<b>160 996</b>
	0.3	Polybuteneter-ephthalate	Pushed in by hand	3 mm	22	-0.95 ... 10 bar hermetically sealed	<b>153 382</b>	<b>QSMC-3H</b>
	0.5			4 mm	28		<b>153 267</b>	<b>QSC-4H</b>
	0.5			6 mm	33		<b>153 268</b>	<b>QSC-6H</b>
	1			8 mm	37		<b>153 269</b>	<b>QSC-8H</b>
	2			10 mm	42		<b>153 270</b>	<b>QSC-10H</b>
	2.5			12 mm	44		<b>153 271</b>	<b>QSC-12H</b>
	7			Polyamide 6, (Ultramid)	Pushed in by hand		2...2.7 mm	4.8

## Examples illustrating the fitting of plugs

B...



- Plugs are screwed or pushed into the openings to be sealed.

 Note

When re-using plugs, check the seal and replace if necessary.