

## Cube67 Valve-Interface, I/O Extension Module

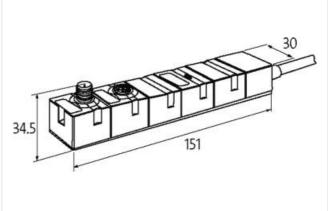
DO16, Festo MPA, Sub-D 25 pol., 0,5m

Expansion module DO16 - Valve (E) 0.5 m Multipole plug (0.5 A) FESTO - MPA Connection cables are in the online shop under "Connection Technology". Housing fully potted.

## Link to Product

Illustration





Product may differ from Image



Commercial data		
ECLASS-6.0	27242604	
ECLASS-6.1	27242604	
ECLASS-7.0	27242604	
ECLASS-8.0	27242604	
ECLASS-9.0	27242604	
ECLASS-10.1	27242604	
ECLASS-11.1	27242604	
ECLASS-12.0	27242604	
ETIM-5.0	EC001599	
customs tariff number	85389099	
GTIN	4048879045131	
Packaging unit	1	
Electrical data   Supply		
Norm operating voltage	EN 61131-2	
Operating voltage UA DC	24 V	
Current consumption max.	50 mA	
Total current UA max.	4 A	
Total current US max.	4 A	
Electrical data   Output		

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Short incur progradodyesOptar current per pin max0,5 ADagnosticVActuator warningper channel via BUSDagnosticNo volnge, Under voltageDagnostic via BUSper module and channelDagnostic via BUSper module and channelDevicer protection Electricalper service op notection (FlectricalDevicer op notection (Flectricalper service op notection (FlectricalDevicer op notection (Flectricalper service op notection (FlectricalDevicer op notection (Flectricalper service op notection (FlectricalDagnostic via BUSper service notection (FlectricalDagnostic via BUSper service notection (FlectricalDagnostic via Busic service notection (Flectricalper service notection (FlectricalDagnostic notection (Flectricalper service notection (Flectrical <td< th=""><th>Overload resistant</th><th>yes</th></td<>	Overload resistant	yes
DegrossicActuator varningper roctule aut channelDiagnosticNa voltago. Under voltagoDiagnostic va BUSper module aut channelDiagnostic va BUSper module aut channelDiagnostic va BUSper module aut channelShort citual diagnosisyesED diagnosticper module aut channelDiagnostic va BUSper module aut channelDiagnostic va BUSyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesDeviend diagnosisyesSubale for mounting type2-hole screw mountingWidh30 mmUddi30 mmWidh30 mmDepreting temperature man.5 °CSorage temperature man.5 °CSorage temperature man.5 °CSorage temperature man.3 °CConnection type 1Bus InConnection type 2Bus QuiConnection type 3DataPariti di construct content cont	Short-circuit protected	yes
Actator winningper channel via BUSDiegnostic via USper module and channelDiegnostic via USper module and channelDiegnostic via USper moduleStort dricut diagnosiayesUED dieglayEthemet connection data trafficDevice protection [Etheticalper diagnosiaDevice protection [Etheticalseconection data trafficDevice protection data trafficseconection data traffic <t< td=""><td>Output current per pin max.</td><td>0,5 A</td></t<>	Output current per pin max.	0,5 A
DappositeNo voltage, Under voltageDiagnosite via BUSper module and channelDiagnosite via BUSper moduleShot nicult diagnosisyesLED displayEthernel connocitovitata trafficOrurbad diagnosisyesDevice protection [ElectricalDevice protection [ElectricalMechanical diagnosisyesSoltable for mounting type2-hole screw mountingHeight150 mmWitch30 mmDevice protection [ElectricalDevice protection [Intervent diagnosisWitch30 mmDepit diagnosis9-COperating temperature min.0 +COperating temperature min.0 +COperating temperature minQ +CStorage temperature minQ +CConnection type 3DataConnection type 4Bus InConnection type 3DataConnection type 3DataConnection type 4AConnection type 3DataConnection type 3AConnection type 4ANo. dipoles8PiN124 V DC (UA)PiN4Bus internalPiN5Bus internalPiN4ANo. dipoles6PiN4Bus internalPiN4ANo. dipoles6PiN4Bus internalPiN4Su internalPiN4Su internalPiN4Su internalPiN4Su internalPiN4Su internal </td <td>Diagnostics</td> <td></td>	Diagnostics	
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Dagnostic via US     per module and channel       Diagnostic via LED     per module       Stori dircuit diagnosia     yes       Devide protection   Electrical     Per       Devide of dipologion (KN UC 60829)     PR7       Mechanical data   Mounting data     Version diagnosii       Stable for mounting type     2-hole screw mounting       Height     150 mm       Weigh     30 mm       Depring     34,5 mm       Environmental characteristics   Climatic     Common       Operating targenetative max.     55 °C       Storage temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 3     Data       Conordicon type 4     Sin VCluA)		No voltage, Under voltage
Short orunu diagnosisyesLED displayEthernet connection (data trafficOverload diagnosisyesDegree of protection (EN EC 05052)P07Mechanical data (Mounting dataP07Mechanical data (Mounting dataP07Depret data (Mounting dataP07Methin90 mmDepret data (Mounting dataP07Depret data (Mounting data90 mmDepret dat		
LED display     Elhernet connection/data traffic       Overlag and diagnosis     yes       Device protection [Electrical     Image: Control of Contro control control control c	Diagnostic via LED	per module
Overlaad diagnosis     yes       Device of protection   Electrical       Degree of protection (EN IEC 60629)     IP67       Mechanical attal [Mounting data       Suitable for mounting type     2.hole screw mounting       Height     150 mm       Width     30 mm       Depth     34.5 mm       Environmental characteristics   Climatic     Operating temperature min.       Operating temperature min.     0 °C       Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     malo       Color contract carrier     Back       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus Internal       PIN 5     Bus Internal       PIN 6     0 V       Final 24 V DC (UA)     PIN 4       PIN 4     Bus	Short circuit diagnosis	yes
Device protection [Electrical     IP67       Bechenical data [Mounting data     IP67       Suitable for mounting type     2-hole screw mounting       Height     150 mm       With     30 mm       Depth     34,5 mm       Environmental characteristics [Climatic     View       Operating temperature min.     0 °C       Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 3     Data       Connection type 3     Data       Connection type 3     Data       Formity construction form     M12       Gender     male       Color contact carrier     Back       Color contact carrier     Back internal       PIN 4     DV CUA)       PIN 5 <t< td=""><td>LED display</td><td>Ethernet connection/data traffic</td></t<>	LED display	Ethernet connection/data traffic
Degree of protection (EN IEC 80529)     IP67       Nechaical data   Nounting data     2 hole screw mounting       Beight     150 mm       Width     30 mm       Depth     34.5 mm       Depth     34.5 mm       Constant characteristics   Climatic     Constant characteristics   Climatic       Operating temperature min.     0 °C       Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 3     Data       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Fearly constant carrier     Black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 4     Bus internal       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     V       Contract carrier	Overload diagnosis	yes
Mechanical data   Mounting data       Suitable for mounting type     2-hole screw mounting       Height     150 mm       Widh     30 mm       Depth     34.5 mm       Environmental characteristics   Gilmatic     Commental characteristics   Gilmatic       Environmental characteristics   Gilmatic     0 °C       Operating temperature min.     0 °C       Storage temperature max.     25 °C       Storage temperature max.     75 °C       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (US)       PIN 3     O V       Family construction form     M12       Gender     Iso internal       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     O V       Family construction form     M12       Ge	Device protection   Electrical	
Suitable for mounting type2-hole screw mountingHeight150 mmWidth30 mmDepth34,5 mmEnvironmental characteristics [ ClimaticDeprating temperature min.0 °COperating temperature max.55 °CStorage temperature max.75 °CConnection type 3Bus InConnection type 1Bus InConnection type 2Bus OutConnection type 3DataFamily construction formM12GendermaleColing temperature max.5 °CStorage temperature max.75 °CConnection type 1Bus InConnection type 2Bus OutConnection type 3DataFamily construction formM12GendermaleColor contact carrierblackColor pointact carrierBus InternalPIN 124 V DC (UA)PIN 20 VPIN 4Bus InternalPIN 5O VPIN 4Bus InternalPIN 5O VFamily construction formM12GenderIeankeColor contact carrierblackColor contact carrierblack <td>Degree of protection (EN IEC 60529)</td> <td>IP67</td>	Degree of protection (EN IEC 60529)	IP67
Height     150 mm       Widh     30 mm       Depth     34.5 mm       Environmental characteristics   Climatic       Operating temperature min.     0 °C       Operating temperature min.     20 °C       Storage temperature mix.     25 °C       Storage temperature mix.     75 °C       Connection type 3     O       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     Diack       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color contact carrier     Diack       Coding     A       No. of poles     6       PIN 4     Bus internal	Mechanical data   Mounting data	
Height     150 mm       Widh     30 mm       Depth     34.5 mm       Environmental characteristics   Climatic       Operating temperature min.     0 °C       Operating temperature min.     20 °C       Storage temperature mix.     25 °C       Storage temperature mix.     75 °C       Connection type 3     O       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     Diack       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color contact carrier     Diack       Coding     A       No. of poles     6       PIN 4     Bus internal		2-hole screw mounting
Widh     30 mm       Depth     345 mm       Environmental characteristics   Climatic     0 °C       Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 3     0 Cancection type 1       Bus Nu     Connection type 3       Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     6       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Famaly construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Famaly construction form     M12		
Depth34.5 mmEnvironmental characteristics   ClimaticOperating temperature min.0 °COperating temperature max.55 °CStorage temperature max.75 °CConnection type 3Connection type 1Bus InConnection type 2Connection type 3DataConnection type 3DataConnection type 3DataConnection type 3DataContact carrierblackColor contact carrierblackColor contact carrierblackColor contact carrierblackColor Structure6PIN 124 V DC (UA)PIN 224 V DC (US)PIN 3O VPIN 4Bus internalPIN 5Bus internalPIN 6O VFamily construction formM12GenderfernaleColor contact carrierblackColor contact carrierblackColor contact carrierblackColor contact carrierblackContact carrierblackPIN 4QUPIN 5Bus internalPIN 6O VFamily construction formH12GenderfernaleColor contact carrierblackColor contact carrierblackColor contact carrierblackColor contact carrierblackColor contact carrierblackPIN 5Bus internalPIN 6O VPIN 7B		
Environmental characteristics   Climatic       Operating temperature min.     0 °C       Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 3     75 °C       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Color cotta carrier     black       Color cotta carrier     black       Color cotta carrier     black       Color cotta carrier     black       PIN 1     24 V DC (UA)       PIN 2     24 V DC (US)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black       Color contact carrier		
Operating temperature min.     0 °C       Operating temperature max.     55 °C       Storage temperature min.     -20 °C       Storage temperature max.     75 °C       Connection type 3     Data       Connection type 3     Data       Connection type 3     Data       Connection type 3     Data       Gender     male       Color contact carrier     Dack       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Consciton (Current Active Acti		
Operating temperature max.     55 °C       Storage temperature max.     75 °C       Connection type 1     Bus In       Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Coling A     A       No. of poles     6       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     O V       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       PIN 7     Black       Coding     A       No. of poles     6       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color poles     6       PIN 6     0 V       PIN 1     24 V DC (UA) <td></td> <td></td>		
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Storage temperature max.   75 °C     Connection type 3   Bus In     Connection type 2   Bus Out     Connection type 3   Data     Family construction form   M12     Gender   male     Color contact carrier   black     Coding   A     No. of poles   6     PIN 1   24 V DC (UA)     PIN 2   24 V DC (US)     PIN 4   Bus internal     PIN 5   Bus internal     PIN 6   0 V     Family construction form   M12     Gender   female     Color contact carrier   black		
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Connection type 2     Bus Out       Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (US)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 4		
Connection type 3     Data       Family construction form     M12       Gender     male       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (US)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 6     0 V       Family construction form     M12       Gender     female       Color contact carrier     black       Color contact carrier     black       Color contact carrier     black       Coding     A       No. of poles     6       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 3     0 V       PIN 4     Bus internal       PIN 5     Bus internal       PIN 1     24 V DC (UA)       PIN 2     24 V DC (UA)       PIN 4     Bus internal       PIN 5     Bus internal       PIN 4		
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CodingANo. of poles6PIN 124 V DC (UA)PIN 224 V DC (US)PIN 30 VPIN 4Bus internalPIN 5Bus internalPIN 60 VFamily construction formD-SubGenderfemale	Gender	female
No. of poles6PIN 124 V DC (UA)PIN 224 V DC (US)PIN 30 VPIN 4Bus internalPIN 5Bus internalPIN 60 VFamily construction formD-SubGenderfemale	Color contact carrier	black
PIN 124 V DC (UA)PIN 224 V DC (US)PIN 30 VPIN 4Bus internalPIN 5Bus internalPIN 60 VFamily construction formD-SubGenderfemale	Coding	A
PIN 224 V DC (US)PIN 30 VPIN 4Bus internalPIN 5Bus internalPIN 60 VFamily construction formD-SubGenderfemale	No. of poles	6
PIN 30 VPIN 4Bus internalPIN 5Bus internalPIN 60 VFamily construction formD-SubGenderfemale	PIN 1	24 V DC (UA)
PIN 4 Bus internal   PIN 5 Bus internal   PIN 6 0 V   Family construction form D-Sub   Gender female	PIN 2	24 V DC (US)
PIN 5 Bus internal   PIN 6 0 V   Family construction form D-Sub   Gender female	PIN 3	0 V
PIN 6 0 V   Family construction form D-Sub   Gender female		Bus internal
Family construction form D-Sub   Gender female		
Gender female	PIN 6	
No. of poles 25		
	No. of poles	25

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PIN 1	Out 1	
PIN 2	Out 2	
PIN 3	Out 3	
PIN 4	Out 4	
PIN 5	Out 5	
PIN 6	Out 6	
PIN 7	Out 7	
PIN 8	Out 8	
PIN 9	Out 9	
PIN 10	Out 10	
PIN 11	Out 11	
PIN 12	Out 12	
PIN 13	Out 13	
PIN 14	Out 14	
PIN 15	Out 15	
PIN 16	Out 16	
PIN 25	0 V Sens	

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