

EXACT12, 4XM12, 4 POLE MOULDED CABLE

3.0m PUR/PVC 4X0.34+3X0.75, UL/CSA

Art.No.: 8000-84410-3330300

Weight: 0.43

Country of origin: DE

Model designation: MVP12N-AN4V333 3.0M

PUR/PVC 3.0 m

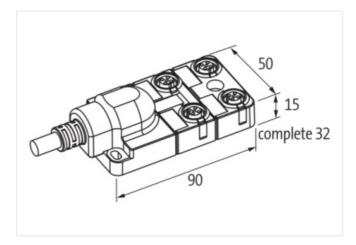
Plastic housings with good resistance against chemicals and oils.

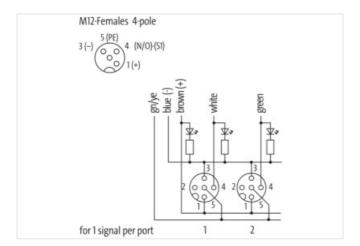
The resistance to aggressive media should be individually tested for your application. Further details on request.

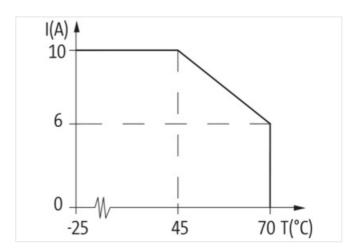
Link to Product

Illustration



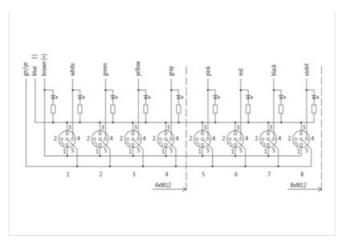








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Product may differ from Image











Header	
Material short text	MVP12N-AN4V333 3.0M
Commercial data	
URL Webshop	https://shop.murrelektronik.com/8000-84410-3330300
GTIN	4048879056052
ECLASS-6.0	27279219
ECLASS-6.1	27279219
ECLASS-7.0	27279219
ECLASS-7.1	27279219
ECLASS-8.0	27279219
ECLASS-8.1	27279219
ECLASS-9.0	27440108
ECLASS-9.1	27440108
ECLASS-10.0.1	27440108
ECLASS-10.1	27440108
ECLASS-11.0	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ECLASS-13.0	27440108
ECLASS-14.0	27440108
ETIM-5.0	EC002585
ETIM-6.0	EC002585
ETIM-7.0	EC002585
ETIM-8.0	EC002585
customs tariff number	85444290
EAN	4048879056052
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Total current max.	8 A
Installation Connection	



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Mounting method Schraubgewinde Environmental characteristics Climatic Operating temperature min. 20 °C Operating temperature max. 70 °C Additional condition temperature max. 70 °C Cable identification 333 Cable Type 2 Punction cable Hybrid, Signal, Power Amount stranding 1 1 Stranding 7 wires around core filler twisted Filler ys 8 Wire arrangement white, green, yellow, gray, brown, blue, green yellow Cable weight 105.6 g/m Material vive insulation PVC Amount wires 4 Amount strands were insulation 5 Outer diameter Indivariance core insulation 9 Outer diameter Indivariance core insulation 9 Core diameter Indivariance core insulation 9 Core diameter wire insulation 9 Core diameter wir	Mounting set	M12 x 1
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Famor estistance statements and stat	Degree of protection (EN IEC 60529)	IP67 IP65
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Operating temperature max. 70 °C depending on cable quality depending on cable quality (appending on cable quality		20.00
Additional condition temperature range depending on cable quality		
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Stranding 7 wires around core filler twisted	Function cable	Hybrid, Signal, Power
Wire arrangement white, green, yellow, gray, brown, blue, green-yellow Cable weight 105.6 g/m Material wire insulation PVC Amount wires 4 Outer diameter insulation ± 0.1 mm Shore hardness wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires Conductor crosssection (wire) Stranded copper wire, bare Conductor type (wire) Stranded and since insulation (type 2) 3 Amount strands wire insulation (type 2) 44 Diameter of single wire insulation (type 2) 24 Diameter of single wire (type 2) Stranded copper wire, bare Conductor crosssection wire (type 2) 5 Amount strands wire (type 2) 5 Amount wires (type 2) 7 Amount wires (type 2) 5 Amount wires (type 2) 7 Conductor or single wire insulation (type 2) 7 Amount wires (type 2) 7 Amount wires (type 2) 8 Amount strands wire (type 2) 8 Amount strands wire (type 2) 8 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 9 Amount wires (type 2) 9 Amount wires (type 2) 9 Conductor crosssection wire (type 2) 9 Conductor crosssection wire (type 2) 9 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 9 Amount wires (type 2) 9 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 9 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 8 Conductor crosssection wire (type 2) 9 Conductor crosssectio	Amount stranding	1
Wire arrangement white, green, yellow, gray, brown, blue, green-yellow Cable weigth 105.6 g/m Material wire insulation PVC Amount wires 4 Outer diameter lourance core insulation 1.3 mm Outer diameter tolerance core insulation \$2.5 fore D Material properties wire insulation 32.5 Shore D Material properties wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor orossection (wire) 0.34 mm² Material vire insulation (type 2) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) 3 Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 3 Amount strands wire (type 2) 3 Diameter of single wires (type 2) Stranded copper wire, bare Conductor crossection wire (type 2)	Stranding	7 wires around core filler twisted
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Outer diameter insulation 1.3 mm Outer diameter tolerance core insulation ± 0.1 mm Shore bardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material vire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) 20 mm Amount wires (type 2) 3 Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 2.7 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare </td <td>Material wire insulation</td> <td>PVC</td>	Material wire insulation	PVC
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Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 19 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) cadmium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) 3 Amount strands wire (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (sheath) ± 5 % Material jacket PUR	Outer diameter tolerance core insulation	± 0.1 mm
Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) Diameter of single wires 0.15 mm Conductor crosssection (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Material properties wire insulation (type 2) Amount strands (wire insulation (type 2) Amount wire (type 2) Amount strands wire (type 2) Diameter of single wires (single wire soundards wire (type 2) Diameter of single wire (type 2) Amount wires (type 2) Diameter of single wires (type 2) Conductor crosssection wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare	Shore hardness wire insulation	43 ± 5 Shore D
Amount strands (wire) Diameter of single wires O.15 mm Conductor crosssection (wire) O.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) 2, Material properties wire insulation (type 2) Gadmium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) Amount strands wire (type 2) Diameter of single wires (type 2) O.2 mm Conductor crosssection wire (type 2) O.75 mm² Material conductor wire (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) Ag Outer diameter (sheath) 43 Outer-diameter (sheath) 45 % Material jacket PUR	Material properties wire insulation	good machinability
Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) 3 Amount wires (type 2) 3 Amount strands wire (type 2) 0.2 mm Conductor orsssection wire (type 2) 0.2 mm Conductor orsssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (facket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) Material properties wire insulation (type 2) Material properties wire insulation (type 2) Material properties wire insulation (type 2) Amount wires (type 2) Diameter of single wires (type 2) Outer of single wires (type 2) Material conductor wire (type 2) Material conductor wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor vire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Amount strands (wire)	19
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) admium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) 3 Amount wires (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Stranded copper wire, bare Wire conductor wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Diameter of single wires	0.15 mm
Conductor type (wire) Material wire insulation (type 2) Outer diameter wire insulation (type 2) Outer diameter wire insulation (type 2) Tolerance outer diameter wire insulation (type 2) Material properties wire insulation (type 2) Amount wires (type 2) Amount strands wire (type 2) Diameter of single wires (type 2) Outer diameter (type 2) Material conductor wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) August (type 4) August	Conductor crosssection (wire)	
Material wire insulation (type 2) PVC Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) ± 0.1 mm Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) cadmium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Material conductor wire	Stranded copper wire, bare
Outer diameter wire insulation (type 2) 1.8 mm Tolerance outer diameter wire insulation (type 2) Material properties wire insulation (type 2) Ingredient freeness wire insulation (type 2) Amount wires (type 2) Amount strands wire (type 2) Diameter of single wires (type 2) O.2 mm Conductor crosssection wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) At 3 Outer-diameter (jacket) Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Conductor type (wire)	Strand class 5
Tolerance outer diameter wire insulation (type 2)	Material wire insulation (type 2)	PVC
Material properties wire insulation (type 2) good machinability Ingredient freeness wire insulation (type 2) cadmium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR		1.8 mm
Ingredient freeness wire insulation (type 2) cadmium-free, silicone-free, lead-free, CFC-free Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Tolerance outer diameter wire insulation (type 2)	± 0.1 mm
Amount wires (type 2) 3 Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Material properties wire insulation (type 2)	•
Amount strands wire (type 2) 24 Diameter of single wires (type 2) 0.2 mm Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Ingredient freeness wire insulation (type 2)	cadmium-free, silicone-free, lead-free, CFC-free
Diameter of single wires (type 2) O.2 mm Conductor crosssection wire (type 2) Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) Outer-diameter (jacket) Tolerance outer diameter (sheath) ### 15 % Material jacket D.2 mm Outer-diameter (sheath) ### 25 % ###	Amount wires (type 2)	3
Conductor crosssection wire (type 2) 0.75 mm² Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Amount strands wire (type 2)	24
Material conductor wire (type 2) Stranded copper wire, bare Wire conductor type (type 2) Strand class 5 Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Diameter of single wires (type 2)	0.2 mm
Wire conductor type (type 2) Electrical function wire (type 2) Shore hardness wire insulation (type 3) Outer-diameter (jacket) Tolerance outer diameter (sheath) ### August 14 ### August 15 ###	Conductor crosssection wire (type 2)	0.75 mm²
Electrical function wire (type 2) Power Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Material conductor wire (type 2)	
Shore hardness wire insulation (type 3) 43 Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Wire conductor type (type 2)	Strand class 5
Outer-diameter (jacket) 7.4 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Electrical function wire (type 2)	
Tolerance outer diameter (sheath) ± 5 % Material jacket PUR	Shore hardness wire insulation (type 3)	43
Material jacket PUR	Outer-diameter (jacket)	
	Tolerance outer diameter (sheath)	±5%
Shore hardness jacket 87 ± 5 Shore A	Material jacket	
	Shore hardness jacket	87 ± 5 Shore A



stay connected

Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Material inner jacket	PVC
Color (inner jacket)	gray
Conductor resistance (wire)	57 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.8 A
Current load capacity min. Wire (type 2)	12 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Operating temperature min. (drag chain)	-5 °C
Operating temperature max. (drag chain)	60 °C
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	resistant to hydrolysis, resistant to microbes, good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	2 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
Connection type 2	
Family construction form	free cable end
No. of poles	7
Family construction form	M12
No. of poles	4
Coding	A
Gender	female
Color contact carrier	black
PIN 1	+
PIN 2	n.c.
PIN 3	-
PIN 4	NO S 1
PIN 5	PE