## **SIEMENS**

Data sheet 3RP20 05-1BW30



SOLID-STATE TIME-DELAY RELAY MULTI-FUNCTION, 16 FUNCTIONS 2 CHANGEOVER CONTACTS AC/DC 24 TO 240V 0.05 S TO 100H WIDTH 45MM SCREW TERMINALS

General technical data:		
product brand name		SIRIUS
Product designation		timing relay
mounting position		any
Product function non-volatile		No
Product component		
Relay output		Yes
<ul> <li>semi-conductor output</li> </ul>		No
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
<ul><li>during operation</li></ul>	°C	-25 +60
<ul><li>during storage</li></ul>	°C	-40 <b>+</b> 85
during transport	°C	-40 <b>+</b> 85
Relative humidity during operation	%	10 95
EMC emitted interference acc. to IEC 61812-1		EN 61000-6-4(3)
EMI immunity acc. to IEC 61812-1		EN 61000-6-2
Conducted interference due to burst acc. to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
Electrostatic discharge acc. to IEC 61000-4-2		4 kV contact discharge / 8 kV air discharge
Field-bound parasitic coupling acc. to IEC 61000-4-3		10 V/m
Surge voltage resistance Rated value	V	4 000

Active power loss total typical	W	2
Equipment marking acc. to DIN 40719 extended		К
according to IEC 204-2 acc. to IEC 750		
Equipment marking acc. to DIN EN 81346-2		K
Category acc. to EN 954-1		none
Protection against electrical shock		finger-safe
Protection class IP		IP20
Mechanical service life (switching cycles) typical		10 000 000
Electrical endurance (switching cycles) at AC-15 at		100 000
230 V typical		
Operating frequency with 3RT2 contactor maximum	1/h	5 000
Shock resistance acc. to IEC 60068-2-27		11g / 15 ms
Relative repeat accuracy	%	1
Recovery time	ms	150
Minimum ON period	ms	35
Degree of pollution		3
Insulation voltage for overvoltage category III	V	300
according to IEC 60664 with degree of pollution 3		
Rated value		
Relative setting accuracy relating to full-scale value	%	5

Switching Function:			
Switching function			
ON-delay	Yes		
<ul> <li>ON-delay/instantaneous contact</li> </ul>	Yes		
passing make contact	Yes		
<ul> <li>passing make contact/instantaneous contact</li> </ul>	Yes		
OFF delay	No		
<ul> <li>flashing asymmetrically starting with interval</li> </ul>	No		
<ul> <li>flashing asymmetrically starting with pulse</li> </ul>	No		
<ul> <li>flashing symmetrically starting with pulse</li> </ul>	No		
<ul> <li>flashing symmetrically starting with pulse/instantaneous</li> </ul>	No		
<ul> <li>flashing symmetrically starting with interval</li> </ul>	Yes		
<ul> <li>flashing symmetrically starting with interval/instantaneous</li> </ul>	Yes		
• star-delta circuit	Yes		
<ul> <li>star-delta circuit with delay time</li> </ul>	No		
Switching function with control signal			
<ul> <li>additive ON delay</li> </ul>	Yes		
<ul> <li>passing break contact</li> </ul>	Yes		
OFF delay	Yes		
<ul><li>pulse-shaping</li></ul>	Yes		
OFF delay/instantaneous	Yes		

<ul> <li>ON-delay/OFF-delay/instantaneous</li> </ul>	Yes
<ul> <li>passing break contact/instantaneous</li> </ul>	Yes
<ul> <li>additive ON delay/instantaneous</li> </ul>	Yes
ON-delay/OFF-delay	Yes
<ul> <li>passing make contact</li> </ul>	No
<ul> <li>passing make contact/instantaneous contact</li> </ul>	Yes
• pulse delayed	No
<ul> <li>pulse delayed/instantaneous</li> </ul>	No
<ul><li>pulse-shaping/instantaneous</li></ul>	Yes
Switching function of interval relay with control signal	
<ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> </ul>	No
<ul> <li>retrotriggerable with activated control signal</li> </ul>	No
<ul> <li>retrotriggerable with activated control signal/instantaneous contact</li> </ul>	No
<ul> <li>retriggerable with deactivated control signal</li> </ul>	No
Design of the control terminal non-floating	Yes

Control circuit/ Control:		
Adjustable time	S	0.05 360 000
Type of voltage of the control supply voltage		AC/DC
Control supply voltage frequency 1	Hz	50 60
Control supply voltage 1		
• with AC		
— at 50 Hz	V	24 240
— at 60 Hz	V	24 240
• for DC	V	24 240
Operating range factor control supply voltage rated value		
• with AC		
— at 50 Hz		0.8 1.1
— at 60 Hz		0.8 1.1
• for DC		0.85 1.1

Auxiliary circuit:		
Contact reliability of the auxiliary contacts		one incorrect switching operation of 100 million
		switching operations (17 V, 5 mA)
Material of switching contacts		AgSnO2
Operating current of the auxiliary contacts		
● at AC-15		
— at 24 V	Α	3
— at 250 V	Α	3
• at DC-13		
— at 24 V	Α	1

Lesign of the fuse link for short-circuit protection of the auxiliary switch required  Themal current  A 5  Number of NC contacts  • delayed switching • instantaneous contact  Number of NO contacts  • delayed switching • instantaneous contact  Number of OC contacts  • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Installation/ mounting/ dimensions:  Mounting type  Installation/ mounting/ dimensions:  Midth  Installation/ mounting/ dimensions:  Width  Installation/ mounting/ dimensions:  Mounting type  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting onto 35 mm standard mounting rail  Width  Installation/ mounting rail  Width  Installation/ mounting rail  Width  Installation/ mounting rail  Insta	— at 125 V	Α	0.2
Design of the fuse link for short-circuit protection of the auxiliary switch required  Thermal current Number of NC contacts  • delayed switching • instantaneous contact  Number of NC contacts  • delayed switching • instantaneous contact  Number of CO contacts  • delayed switching • instantaneous contact  Number of CO contacts  • delayed switching • instantaneous contact  Number of CO contacts  • delayed switching • instantaneous contact  Number of CO contacts  • delayed switching • instantaneous contact  Number of CO contacts  • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • montanting dimensions:  Screw and snap-on mounting onto 35 mm standard mounting rail  mounting rail  mounting rail  mounting rail  screw and snap-on mounting onto 35 mm standard mounting rail  screw and snap-on mounting onto 35 mm standard mounting rail  nouting rail  n		Α	0.1
the auxiliary switch required Thermal current A 5 Number of NC contacts • delayed switching • instantaneous contact  Outside the side mm 0 • the side • delayed switching • instantaneous contact  Outside the side • delayed switching • instantaneous contact  Outside the side • delayed switching • instantaneous contact  Installation/ mounting/ dimensions:  Width  Installation/ mounting/ dimensions:  Width  Height  Midth			fuse aL/aG: 4 A
Number of NC contacts  • delayed switching • instantaneous contact  Output of NC contacts • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  Output of CO contacts • delayed switching • instantaneous contact  Installation/ mounting/ dimensions:  Mounting type    Sorew and snap-on mounting onto 35 mm standard mounting rail  Width   mm   45     Height   mm   57     Depth   mm   73     Required spacing with side-by-side mounting     upwards   mm   0     upwards   mm   0     at the side   mm   0     Backwards   mm   0     Backwards   mm   0     Backwards   mm   0     at the side   mm   0     compared   mm   mm   0     compared   mm   mm   mm   mm   mm   mm   mm			3.0
e delayed switching     e instantaneous contact  Number of NO contacts     delayed switching     e instantaneous contact  Unstantaneous contact  Number of CO contacts     delayed switching     e instantaneous contact  Installation/ mounting/ dimensions:  Mounting type  Screw and snap-on mounting onto 35 mm standard mounting rail  Width  Height  mm  57  Depth  Required spacing with side-by-side mounting     upwards     forwards     at the side     Backwards     downwards     at the side     upwards     at the side     downwards     at the side     at t	Thermal current	Α	5
instantaneous contact  delayed switching instantaneous contact  delayed switching instantaneous contact  Countacts delayed switching instantaneous contact  Countacts delayed switching instantaneous contact	Number of NC contacts		
Number of NO contacts  • delayed switching • instantaneous contact  Number of CO contacts • delayed switching • instantaneous contact  10  Installation/ mounting/ dimensions:  Mounting type    Screw and snap-on mounting onto 35 mm standard mounting rail   Width   mm   45     Height   mm   57     Depth   mm   73     Required spacing with side-by-side mounting • upwards   mm   0   • at the side   mm   0   • Backwards   mm   0   • Backwards   mm   0   • Installation/ mounting onto 35 mm standard mounting rail  Width   mm   57     Depth   mm   73     Required spacing with side-by-side mounting   mm   0   • at the side   mm   0   • Backwards   mm   0   • Backwards   mm   0   • Growards   mm   0   • All the side   mm	<ul> <li>delayed switching</li> </ul>		0
delayed switching     instantaneous contact  Number of CO contacts     delayed switching     instantaneous contact      delayed switching     instantaneous contact  Installation/ mounting/ dimensions:  Wounting type     screw and snap-on mounting onto 35 mm standard mounting rail  Width    mm    45 Height    mm    57 Depth    mm    73  Required spacing with side-by-side mounting     upwards    mm    0     intraction of the side    mm    0     at the side    mm    0     Backwards    mm    0     Backwards    mm    0 Required spacing for grounded parts     Backwards     in the side    mm    0 Required spacing for grounded parts     Backwards     downwards    mm    0 Required spacing for grounded parts     Backwards     at the side    mm    0 Required spacing for grounded parts     Backwards     at the side    mm    0 Required spacing for live parts     downwards    mm    0 Required spacing for live parts     downwards    mm    0 Required spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards    mm    0     scale and spacing for live parts     downwards	• instantaneous contact		0
instantaneous contact  Number of CO contacts delayed switching instantaneous contact  O  Installation/ mounting/ dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail  Width mm 45 Height mm 57 Depth mm 73  Required spacing with side-by-side mounting upwards mm 0 forwards mm 0 at the side mm 0 Backwards mm 0 Backwards mm 0 Backwards mm 0  at the side mm 0  forwards mm 0  required spacing for grounded parts Backwards mm 0  at the side mm 0  forwards mm 0  Required spacing for grounded parts Backwards mm 0  at the side mm 0  beforwards mm 0  convards mm 0  downwards mm 0  Required spacing for live parts  downwards mm 0  Backwards mm 0  at the side mm 0  at the side mm 0  beforwards mm 0  convards mm 0  at the side mm 0	Number of NO contacts		
Number of CO contacts  • delayed switching • instantaneous contact  Installation/ mounting/ dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail  Width  Height  mm  57  Depth  mm  73  Required spacing with side-by-side mounting • upwards • forwards • at the side • Backwards • downwards  Required spacing for grounded parts • Backwards • at the side  mm  0  Required spacing for grounded parts • Backwards • mm  0  Required spacing for grounded parts • Backwards  mm  0  Required spacing for grounded parts • Backwards  mm  0  Required spacing for grounded parts • Backwards  mm  0  converses  mm  0  downwards  mm  0  Required spacing for live parts • downwards  mm  0  Required spacing for live parts • downwards  mm  0  Required spacing for live parts • downwards  mm  0  Required spacing for live parts • downwards  mm  0  Required spacing for live parts • downwards  mm  0  at the side  mm  0  forwards  mm  0  mm  0  mm  0  forwards  mm  0  m	<ul> <li>delayed switching</li> </ul>		0
delayed switching     instantaneous contact  Installation/ mounting/ dimensions:  Mounting type      screw and snap-on mounting onto 35 mm standard mounting rail  Width    mm	• instantaneous contact		0
instantaneous contact  Installation/ mounting/ dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail  Width mm 45 Height mm 57 Depth mm 73  Required spacing with side-by-side mounting  upwards mm 0 forwards mm 0 at the side mm 0 Backwards mm 0  e at the side mm 0  Required spacing for grounded parts  Backwards mm 0  Required spacing for grounded parts  upwards mm 0  Required spacing for grounded parts  forwards mm 0  Required spacing for grounded parts  at the side mm 0  forwards mm 0  Required spacing for live parts  downwards mm 0  Backwards mm 0  at the side mm 0  forwards mm 0  forwards mm 0	Number of CO contacts		
Installation/ mounting/ dimensions:  Mounting type  screw and snap-on mounting onto 35 mm standard mounting rail  Width  Height  Depth  mm  73  Required spacing with side-by-side mounting  • upwards  • forwards  • at the side  Backwards  • downwards  Backwards  • at the side  mm  0  Required spacing for grounded parts  • Backwards  • mm  0  Required spacing for grounded parts  • Backwards  mm  0  Required spacing for grounded mounting  • upwards  • at the side  mm  0  Required spacing for live parts  • downwards  • at the side  • downwards  • at the side  • forwards  • mm  0  • at the side  • forwards  • mm  0  • forwards  • mm  0  • at the side  • forwards  mm  0	<ul><li>delayed switching</li></ul>		2
Mounting type     screw and snap-on mounting onto 35 mm standard mounting rail       Width     mm     45       Height     mm     57       Depth     mm     73       Required spacing with side-by-side mounting     mm     0       • upwards     mm     0       • forwards     mm     0       • Backwards     mm     0       • downwards     mm     0       Required spacing for grounded parts     mm     0       • at the side     mm     0       • upwards     mm     0       • forwards     mm     0       • downwards     mm     0       Required spacing for live parts       • downwards     mm     0       • Backwards     mm     0       • at the side     mm     0       • at the side     mm     0       • forwards     mm     0	• instantaneous contact		0
Mounting type     screw and snap-on mounting onto 35 mm standard mounting rail       Width     mm     45       Height     mm     57       Depth     mm     73       Required spacing with side-by-side mounting     mm     0       • upwards     mm     0       • forwards     mm     0       • Backwards     mm     0       • downwards     mm     0       Required spacing for grounded parts     mm     0       • at the side     mm     0       • upwards     mm     0       • forwards     mm     0       • downwards     mm     0       Required spacing for live parts       • downwards     mm     0       • Backwards     mm     0       • at the side     mm     0       • at the side     mm     0       • forwards     mm     0	Installation/ mounting/ dimensions:		
Width mm 45  Height mm 57  Depth mm 73  Required spacing with side-by-side mounting  • upwards mm 0  • forwards mm 0  • at the side mm 0  • Backwards mm 0  • Backwards mm 0  • Backwards mm 0  Required spacing for grounded parts  • Backwards mm 0  Required spacing for grounded parts  • Backwards mm 0  Required spacing for grounded parts  • Backwards mm 0  • at the side mm 0  • upwards mm 0  • forwards mm 0  • downwards mm 0  Required spacing for live parts  • downwards  • downwards  • downwards  • downwards  • downwards  • forwards  • downwards  • forwards			screw and snap-on mounting onto 35 mm standard
Height mm 57  Depth mm 73  Required spacing with side-by-side mounting  • upwards mm 0  • forwards mm 0  • at the side mm 0  • Backwards mm 0  • downwards mm 0  Required spacing for grounded parts  • Backwards mm 0  • at the side mm 0  • at the side mm 0  Required spacing for grounded parts  • Backwards mm 0  • at the side mm 0  • upwards mm 0  • forwards mm 0  • downwards mm 0  Required spacing for live parts  • downwards mm 0  Required spacing for live parts  • downwards mm 0  Required spacing for live parts  • downwards mm 0  • forwards mm 0	<b>6</b> 7.1		
Depth   mm   73	Width	mm	45
Required spacing with side-by-side mounting  • upwards	Height	mm	57
<ul> <li>upwards</li> <li>forwards</li> <li>at the side</li> <li>mm</li> <li>Backwards</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Required spacing for grounded parts</li> <li>Backwards</li> <li>at the side</li> <li>upwards</li> <li>upwards</li> <li>forwards</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>Backwards</li> <li>mm</li> <li>o</li> <li>o <li>o</li> <li>o</li> <li>o</li> <li>o</li> <li>o</li> <li>o<td>Depth</td><td>mm</td><td>73</td></li></li></ul>	Depth	mm	73
forwards     o at the side     mm     o     Backwards     mm     o     downwards  Required spacing for grounded parts      Backwards     mm     o     at the side     mm     o     at the side     mm     o     forwards      forwards     mm     o  Required spacing for live parts      downwards     mm     o  Required spacing for live parts      downwards     mm     o     at the side     mm     o     at the side     mm     o     forwards     forwards     mm     o     forwards     f	Required spacing with side-by-side mounting		
<ul> <li>at the side</li> <li>Backwards</li> <li>downwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>0</li> </ul> Required spacing for grounded parts <ul> <li>Backwards</li> <li>at the side</li> <li>upwards</li> <li>forwards</li> <li>downwards</li> <li>downwards</li> <li>downwards</li> <li>Backwards</li> <li>mm</li> <li>downwards</li> <li>downwards</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>forwards</li> </ul>	• upwards	mm	0
Backwards downwards mm m m m m m m m m m m m m m m m m m	• forwards	mm	0
downwards     mm     0  Required spacing for grounded parts      Backwards     mm     0     at the side     upwards     forwards     forwards     downwards  Required spacing for live parts      downwards     mm     0  Required spacing for live parts      downwards     mm     0  Backwards     mm     0  at the side     mm     0  forwards     mm     0  forwards     mm     0  forwards     mm     0  forwards  mm     0  forwards  mm     0  forwards  mm     0	• at the side	mm	0
Required spacing for grounded parts  Backwards mm 0  at the side mm 0  upwards mm 0  forwards mm 0  downwards mm 0  Required spacing for live parts  downwards mm 0  Required spacing for live parts  at the side mm 0  at the side mm 0  forwards mm 0  at the side mm 0  forwards mm 0	Backwards	mm	0
<ul> <li>Backwards</li> <li>at the side</li> <li>upwards</li> <li>forwards</li> <li>forwards</li> <li>downwards</li> <li>downwards</li> <li>Mm</li> <li>0</li> <li>Required spacing for live parts</li> <li>downwards</li> <li>mm</li> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>forwards</li> <li>mm</li> <li>0</li> </ul>	• downwards	mm	0
<ul> <li>at the side</li> <li>upwards</li> <li>forwards</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Required spacing for live parts</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <l>mm <li>mm</li> <li>mm</li> <li>mm</li> <li>mm</li> <li>mm<!--</td--><td>Required spacing for grounded parts</td><td></td><td></td></li></l></ul>	Required spacing for grounded parts		
<ul> <li>upwards</li> <li>forwards</li> <li>forwards</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Required spacing for live parts</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>mm</li> <li>0</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>0</li> </ul>	Backwards	mm	0
<ul> <li>forwards</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>0</li> <li>Required spacing for live parts</li> <li>downwards</li> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>forwards</li> <li>mm</li> <l< td=""><td>• at the side</td><td>mm</td><td>0</td></l<></ul>	• at the side	mm	0
● downwards mm 0   Required spacing for live parts mm 0   ● downwards mm 0   ● Backwards mm 0   ● at the side mm 0   ● forwards mm 0	• upwards	mm	0
Required spacing for live parts  • downwards  • Backwards  • at the side  • forwards  mm  0  mm  0  0  mm  0	• forwards	mm	0
<ul> <li>downwards</li> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> </ul>	• downwards	mm	0
<ul> <li>Backwards</li> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> </ul>	Required spacing for live parts		
<ul> <li>at the side</li> <li>forwards</li> <li>mm</li> <li>0</li> <li>mm</li> <li>0</li> </ul>	• downwards	mm	0
• forwards mm 0	Backwards	mm	0
	• at the side	mm	0
• upwards	• forwards	mm	0
	• upwards	mm	0

Connections/ Terminals:	
Type of electrical connection for auxiliary and control	screw-type terminals
current circuit	
Type of connectable conductor cross-section	

• solid		2x (0,51,5 mm²), 2x (0,75 2,5 mm²)
• finely stranded		
<ul><li>— with core end processing</li></ul>		2x (0,51,5 mm²), 2x (0,75 2,5 mm²)
<ul> <li>for AWG conductors</li> </ul>		
— stranded		2x (18 14)
— solid		2x (18 14)
Tightening torque	N·m	0.8 1.2

## Certificates/ approvals:

General Pro	duct Approval	EMC	Declaration of Conformity	Test Certificates
(m)	ГПГ		( (	Special Test Certificate

## **Shipping Approval**







GL





EG-Konf.



Shipping	other
Approval	



Environmental Confirmations

## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RP20051BW30

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RP20051BW30/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RP20051BW30&lang=en

