

DOCUMENTATION TECHNIQUE

Projet

Projet	Projet
Concepteur	
Application	PROJETDFB.stu
Version logicielle	Unity Pro XL V13.0
Date de création	12/10/2022 16:07:53
Date de dernière modification	12/10/2022 16:07:53
Automate cible	BME P58 1020 02.40UC 580-1 ETH - E/S distribuées

Auteur :	1 Page de titre	Imprimé le 20/10/2022
Service :		Page : 1/30
Projet :		

Sommaire

1	Page de titre	1
2	Sommaire	2
3	Configuration	3
	3.1 0 : Bus automate	
	3.1.1 0 : BME XBP 0400	
	3.1.1.1 0 (1) : BME P58 1020	
	3.1.1.2 2 : BMX DDI 1602	
	3.1.1.3 3 : BMX DDO 1602	
	3.2 2 : Bus EIO	?
4	Types FB dérivés	7
	4.1 FB_POMPE	
	4.1.1 Sections	
	4.1.1.1 CODE_POMPE	
5	Variables et instances FB	10
6	Structure du projet	23
7	Réseau Ethernet	24
8	Programme	25
	8.1 Tâches	
	8.1.1 MAST	
	8.1.1.1 Sections	
	8.1.1.1.1 POMPES	
9	Mouvement	28
10	Références croisées	29

Total: 30 pages

Auteur :	2 Sommaire	Imprimé le 20/10/2022
Service :		Page : 2/30
Projet :		

0.0 : BME P58 1020

Identification du module :

Réf. commerciale : BME P58 1020 Désignation : UC 580-1 ETH - E/S distribuées
Adresse : 0.0 Symbole :

Mode de marche

Entrée Run/Stop : Non
Protection mémoire : Non
Démarrage Auto/Run : Non
RAZ MWi : Oui
Démarrage à froid uniquement : Non

Données

Vision des E/S : Topologique
Nombre de bits : 512
Nombre de mots : 1024
Nombre de constantes : 256
Nombre de bits système : 128
Nombre de mots système : 168

Configuration IP :

Adresse IP principale : 192.168.10.1
Adresse IP A : 192.168.11.1
Adresse IP B : 0.0.0.0
Masque de sous-réseau : 255.255.0.0
Adresse de passerelle : 192.168.10.1

Drop number	Nom de l'équipement	Adresse IP :
-------------	---------------------	--------------

Configuration SNMP :

Gestionnaire d'adresses IP 1 : 0.0.0.0
Gestionnaire d'adresses IP 2 : 0.0.0.0
Emplacement de l'agent :
Contact de l'agent :
Nom Set de la communauté : private
Nom Get de la communauté : public
Nom Trap de la communauté : alert
Gestionnaire SNMP : Désactiver
Authentification : Désactiver

Configuration NTP :

NTP : Désactiver

Configuration du commutateur

Port source	Activer	Débit en bauds
ETH 1	Oui	Auto 10/100 Mbits/s
ETH 2	Oui	Auto 10/100 Mbits/s
ETH 3	Oui	Auto 10/100 Mbits/s
Port d'embase	Oui	100 Mbits/s duplex intégral

Configuration de QoS

QoS activé/désactivé : Activer

Auteur :	3.1.1 0 : BME XBP 0400	Imprimé le 20/10/2022
Service :	3.1.1.1 0 (1) : BME P58 1020	
Projet :		Page : 3/30

Priorité des événements DSCP PTP : 59
Priorité générale DSCP PTP : 47
Valeur DSCP des messages de priorité de planification des données d'E/S : 47
Valeur DSCP du message explicite : 27
Valeur DSCP des messages de priorité urgente des données d'E/S : 55
Valeur DSCP des messages prioritaires des données d'E/S : 43
Valeur DSCP du message de priorité faible des données d'E/S : 31
Valeur DSCP du message d'E/S : 43
Valeur DSCP du message explicite : 27
Valeur DSCP des messages NTP (Network Time Protocol) : 59

Configuration du port de service :

Port de service activé/désactivé : Activer
Mode du port de service : Accès
Numéro du port de service : ETH 1

Paramètres avancés

Timeout de connexion d'E/S(ms) : 4960
Timeout de connexion EM(ms) : 3000
RPI connecté EM(ms) : 10000
Timeout de requête EM(s) : 10
le module autorise une réinitialisation explicite : Désactiver
Comportement du scrutateur EIP lorsque l'UC est en mode STOP : Idle

Auteur :	3.1.1 0 : BME XBP 0400	Imprimé le 20/10/2022
Service :	3.1.1.1 0 (1) : BME P58 1020	
Projet :		Page : 4/30

0.2 : BMX DDI 1602

Identification du module :

Réf. commerciale : BMX DDI 1602 Désignation : Dig 16I 24 Vdc Sink
Adresse : 0.2 Symbole :

Paramètres communs [0-7]

Surveillance alimentation : Actif
Tâche : MAST
I/O Vision : Topologique

Paramètres de voie d'entrée [0-7]

Voie	Adresse	Symbole
0	%I0.2.0.0	RET_POMPE1
1	%I0.2.1.0	DEF_ELEC1
2	%I0.2.2.0	
3	%I0.2.3.0	
4	%I0.2.4.0	
5	%I0.2.5.0	
6	%I0.2.6.0	
7	%I0.2.7.0	

Paramètres communs [8-15]

Surveillance alimentation : Actif
Tâche : MAST
I/O Vision : Topologique

Paramètres de voie d'entrée [8-15]

Voie	Adresse	Symbole
8	%I0.2.8.0	
9	%I0.2.9.0	
10	%I0.2.10.0	
11	%I0.2.11.0	
12	%I0.2.12.0	
13	%I0.2.13.0	
14	%I0.2.14.0	
15	%I0.2.15.0	

Auteur :	3.1.1 0 : BME XBP 0400	Imprimé le 20/10/2022
Service :	3.1.1.2 2 : BMX DDI 1602	
Projet :		Page : 5/30

0.3 : BMX DDO 1602

Identification du module :

Réf. commerciale : BMX DDO 1602 Désignation : Dig 16Q Trans Source 0,5A
Adresse : 0.3 Symbole :

Paramètres communs [0-7]

Tâche : MAST
Surveillance alimentation : Actif
Réarmement : Programmé
Mode de repli : Repli
I/O Vision : Topologique

Paramètres de voie de sortie [0-7]

Voie	Adresse	Symbole	Valeur de repli
0	%Q0.3.0.0	CDE_POMPE1	0
1	%Q0.3.1.0		0
2	%Q0.3.2.0		0
3	%Q0.3.3.0		0
4	%Q0.3.4.0		0
5	%Q0.3.5.0		0
6	%Q0.3.6.0		0
7	%Q0.3.7.0		0

Paramètres communs [8-15]

Tâche : MAST
Surveillance alimentation : Actif
Réarmement : Programmé
Mode de repli : Repli
I/O Vision : Topologique

Paramètres de voie de sortie [8-15]

Voie	Adresse	Symbole	Valeur de repli
8	%Q0.3.8.0		0
9	%Q0.3.9.0		0
10	%Q0.3.10.0		0
11	%Q0.3.11.0		0
12	%Q0.3.12.0		0
13	%Q0.3.13.0		0
14	%Q0.3.14.0		0
15	%Q0.3.15.0		0

Auteur :	3.1.1 0 : BME XBP 0400	Imprimé le 20/10/2022
Service :	3.1.1.3 3 : BMX DDO 1602	
Projet :		Page : 6/30

Types FB dérivés

Nom	Version	Date
FB POMPE	0.01	12/10/2022 16:03:37

Auteur :	4 Types FB dérivés	Imprimé le 20/10/2022
Service :		Page : 7/30
Projet :		

FB_POMPE

Propriétés:

Version:0.01

Description fichier:

<entrées>:

Nom	Type	Valeur	Commentaire
MODE	BOOL		
CDE MANU	BOOL		
CDE AUTO	BOOL		
RET MARCHE	BOOL		
DEFAULT ELEC	BOOL		

<sorties>:

Nom	Type	Valeur	Commentaire
CDE	BOOL		
ETAT MARCHE	BOOL		

<entrées/sorties>:

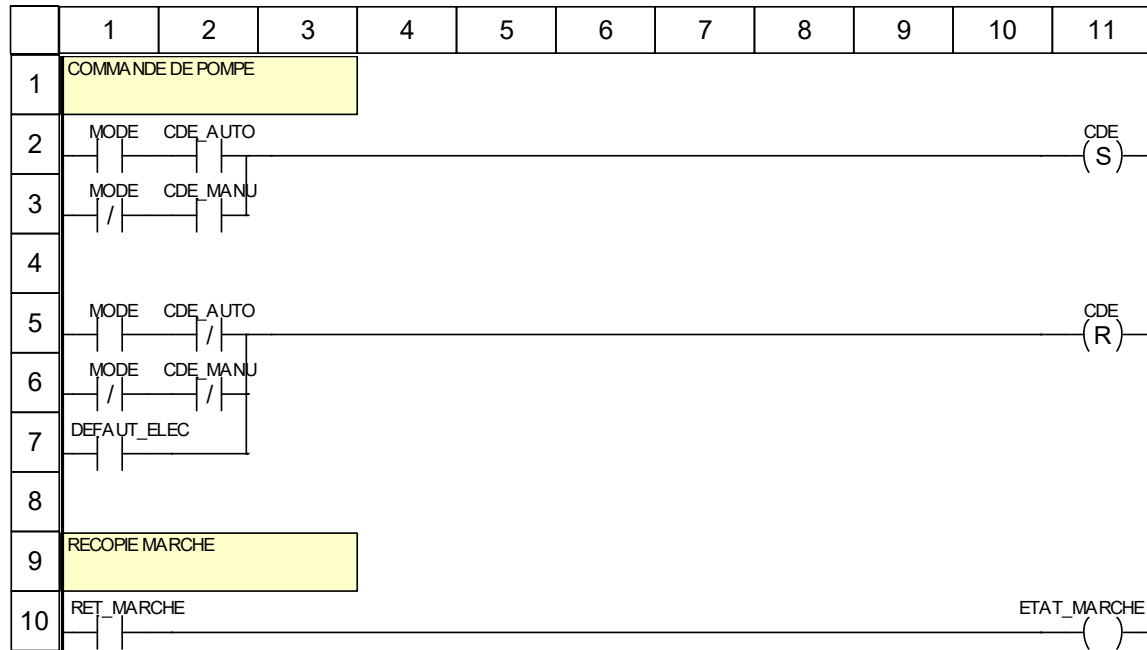
Aucun

<public>:

Aucun

Auteur :	4 Types FB dérivés 4.1 FB_POMPE	Imprimé le 20/10/2022
Service :		
Projet :		Page : 8/30

CODE_POMPE <DFB> : [FB_POMPE]



Variables et instances FB

EBOOL

Nom	Const	Adresse	Commentaire	Valeur	Utilisé	DG
CDE POMPE1	NON	%Q0.3.0			1	NON
DEF ELEC1	NON	%I0.2.1			1	NON
RET POMPE1	NON	%I0.2.0			1	NON

FB POMPE

Nom	Commentaire	Valeur	Utilisé	DG
FB POMPE 1			1	
<entrées>				
MODE				
CDE MANU				
CDE AUTO				
RET MARCHÉ				
DEFAULT ELEC				
<sorties>				
CDE				
ETAT MARCHÉ				

T BMEP58 ECPU EXT

Nom	Const	Adresse	Commentaire	Utilisé
BMEP58 ECPU EXT	NON			0
ETH STATUS	NON		Ethernet status	
PORT1 LINK	NON		Link up/down for Ethernet port 1	
PORT2 LINK	NON		Link up/down for Ethernet port 2	
PORT3 LINK	NON		Link up/down for Ethernet port 3	
ETH_BKP_PORT_LINK	NON		Link up/down for Ethernet backplane port	
REDUNDANCY_STAT	NON		Redundancy status / backup path available	
SCANNER_OK	NON		Scanner OK and scanning at least 1 equipment (if at least 1 equipment configured)	
GLOBAL STATUS	NON		0: one or more services not operating normally / 1: all operational	
NETWORK_HEALTH	NON		1: No traffic overload detected / 0: Traffic overload detected (ex: broadcast storm). Check your network topology and configuration.	
SERVICE STATUS	NON		One bit for each user-observable feature	
RSTP_SERVICE	NON		0: service not operating normally / 1: service operating normally or disabled	
PORT502_SERVICE	NON		0: service not operating normally / 1: service operating normally or disabled	
SNMP_SERVICE	NON		0: service not operating normally / 1: service operating normally or disabled	
MAIN_IP_ADDRESS_STATUS	NON		Main IP address status (0 in case of duplicate IP or no IP assigned)	
ETH_BKP_FAILURE	NON		Ethernet backplane hardware status (0: failure, 1: OK)	
ETH_BKP_ERROR	NON		Ethernet backplane error (0: error, 1: OK)	
EIP_SCANNER	NON		0: service not operating normally / 1: service operating normally or disabled	
MODBUS_SCANNER	NON		0: service not operating normally / 1: service operating normally or disabled	
NTP_SERVER	NON		0: service not operating normally / 1: service operating normally or disabled	

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 10/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
SNTP_CLIENT	NON		0: service not operating normally / 1: service operating normally or disabled	
WEB_SERVER	NON		0: service not operating normally / 1: service operating normally or disabled	
FIRMWARE_UPGRADE	NON		0: service not operating normally / 1: service operating normally or disabled	
FTP	NON		0: service not operating normally / 1: service operating normally or disabled	
FDR_SERVER	NON		0: service not operating normally / 1: service operating normally or disabled	
EIP_ADAPTER	NON		EIP adapter (server) service 0: service not operating normally / 1: service operating normally or disabled	
SERVICE_STATUS2	NON		One bit for each user-observable feature	
A_B_IP_ADDRESS_STATUS	NON		IP address A/B status (0 in case of duplicate IP or no IP assigned)	
LLDP_SERVICE	NON		LLDP service status	
EVENT_LOG_STATUS	NON		0: event log service not operating normally / 1: event log service operating normally or disabled	
LOG_SERVER_NOT_REACHABLE	NON		1: No acknowledgement received from the syslog server / 0: otherwise	
ETH_PORT_1_2_STATUS	NON		Ethernet port 1 and 2 status	
ETH_PORT3_BKP_STATUS	NON		Ethernet port 3 and backplane port status	
FDR_USAGE	NON		% of FDR server usage	
IN_PACKETS	NON		Number of packets received on interface	
IN_ERRORS	NON		Number of inbound packets that contain errors	
OUT_PACKETS	NON		Number of packets sent on interface	
OUT_ERRORS	NON		Number of outbound packets that contain errors	
CONF_SIG	NON		Signature of all files on local module FDR Server	
DROP_HEALTH	NON		DROP health bits (Drop 1 to 31)	
DROP_HEALTH[1]	NON			
DROP_HEALTH[2]	NON			
DROP_HEALTH[3]	NON			
DROP_HEALTH[4]	NON			
DROP_HEALTH[5]	NON			
DROP_HEALTH[6]	NON			
DROP_HEALTH[7]	NON			
DROP_HEALTH[8]	NON			
DROP_HEALTH[9]	NON			
DROP_HEALTH[10]	NON			
DROP_HEALTH[11]	NON			
DROP_HEALTH[12]	NON			
DROP_HEALTH[13]	NON			
DROP_HEALTH[14]	NON			
DROP_HEALTH[15]	NON			
DROP_HEALTH[16]	NON			
DROP_HEALTH[17]	NON			
DROP_HEALTH[18]	NON			
DROP_HEALTH[19]	NON			
DROP_HEALTH[20]	NON			
DROP_HEALTH[21]	NON			
DROP_HEALTH[22]	NON			
DROP_HEALTH[23]	NON			
DROP_HEALTH[24]	NON			

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DROP HEALTH[25]	NON			
DROP HEALTH[26]	NON			
DROP HEALTH[27]	NON			
DROP HEALTH[28]	NON			
DROP HEALTH[29]	NON			
DROP HEALTH[30]	NON			
DROP HEALTH[31]	NON			
RIO HEALTH	NON		RIO health bits (1 bit per RIO up to 128)	
RIO HEALTH[257]	NON			
RIO HEALTH[258]	NON			
RIO HEALTH[259]	NON			
RIO HEALTH[260]	NON			
RIO HEALTH[261]	NON			
RIO HEALTH[262]	NON			
RIO HEALTH[263]	NON			
RIO HEALTH[264]	NON			
RIO HEALTH[265]	NON			
RIO HEALTH[266]	NON			
RIO HEALTH[267]	NON			
RIO HEALTH[268]	NON			
RIO HEALTH[269]	NON			
RIO HEALTH[270]	NON			
RIO HEALTH[271]	NON			
RIO HEALTH[272]	NON			
RIO HEALTH[273]	NON			
RIO HEALTH[274]	NON			
RIO HEALTH[275]	NON			
RIO HEALTH[276]	NON			
RIO HEALTH[277]	NON			
RIO HEALTH[278]	NON			
RIO HEALTH[279]	NON			
RIO HEALTH[280]	NON			
RIO HEALTH[281]	NON			
RIO HEALTH[282]	NON			
RIO HEALTH[283]	NON			
RIO HEALTH[284]	NON			
RIO HEALTH[285]	NON			
RIO HEALTH[286]	NON			
RIO HEALTH[287]	NON			
RIO HEALTH[288]	NON			
RIO HEALTH[289]	NON			
RIO HEALTH[290]	NON			
RIO HEALTH[291]	NON			
RIO HEALTH[292]	NON			
RIO HEALTH[293]	NON			
RIO HEALTH[294]	NON			
RIO HEALTH[295]	NON			
RIO HEALTH[296]	NON			
RIO HEALTH[297]	NON			
RIO HEALTH[298]	NON			
RIO HEALTH[299]	NON			
RIO HEALTH[300]	NON			
RIO HEALTH[301]	NON			
RIO HEALTH[302]	NON			
RIO HEALTH[303]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 12/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
RIO HEALTH[304]	NON			
RIO HEALTH[305]	NON			
RIO HEALTH[306]	NON			
RIO HEALTH[307]	NON			
RIO HEALTH[308]	NON			
RIO HEALTH[309]	NON			
RIO HEALTH[310]	NON			
RIO HEALTH[311]	NON			
RIO HEALTH[312]	NON			
RIO HEALTH[313]	NON			
RIO HEALTH[314]	NON			
RIO HEALTH[315]	NON			
RIO HEALTH[316]	NON			
RIO HEALTH[317]	NON			
RIO HEALTH[318]	NON			
RIO HEALTH[319]	NON			
RIO HEALTH[320]	NON			
RIO HEALTH[321]	NON			
RIO HEALTH[322]	NON			
RIO HEALTH[323]	NON			
RIO HEALTH[324]	NON			
RIO HEALTH[325]	NON			
RIO HEALTH[326]	NON			
RIO HEALTH[327]	NON			
RIO HEALTH[328]	NON			
RIO HEALTH[329]	NON			
RIO HEALTH[330]	NON			
RIO HEALTH[331]	NON			
RIO HEALTH[332]	NON			
RIO HEALTH[333]	NON			
RIO HEALTH[334]	NON			
RIO HEALTH[335]	NON			
RIO HEALTH[336]	NON			
RIO HEALTH[337]	NON			
RIO HEALTH[338]	NON			
RIO HEALTH[339]	NON			
RIO HEALTH[340]	NON			
RIO HEALTH[341]	NON			
RIO HEALTH[342]	NON			
RIO HEALTH[343]	NON			
RIO HEALTH[344]	NON			
RIO HEALTH[345]	NON			
RIO HEALTH[346]	NON			
RIO HEALTH[347]	NON			
RIO HEALTH[348]	NON			
RIO HEALTH[349]	NON			
RIO HEALTH[350]	NON			
RIO HEALTH[351]	NON			
RIO HEALTH[352]	NON			
RIO HEALTH[353]	NON			
RIO HEALTH[354]	NON			
RIO HEALTH[355]	NON			
RIO HEALTH[356]	NON			
RIO HEALTH[357]	NON			
RIO HEALTH[358]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 13/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
RIO HEALTH[359]	NON			
RIO HEALTH[360]	NON			
RIO HEALTH[361]	NON			
RIO HEALTH[362]	NON			
RIO HEALTH[363]	NON			
RIO HEALTH[364]	NON			
RIO HEALTH[365]	NON			
RIO HEALTH[366]	NON			
RIO HEALTH[367]	NON			
RIO HEALTH[368]	NON			
RIO HEALTH[369]	NON			
RIO HEALTH[370]	NON			
RIO HEALTH[371]	NON			
RIO HEALTH[372]	NON			
RIO HEALTH[373]	NON			
RIO HEALTH[374]	NON			
RIO HEALTH[375]	NON			
RIO HEALTH[376]	NON			
RIO HEALTH[377]	NON			
RIO HEALTH[378]	NON			
RIO HEALTH[379]	NON			
RIO HEALTH[380]	NON			
RIO HEALTH[381]	NON			
RIO HEALTH[382]	NON			
RIO HEALTH[383]	NON			
RIO HEALTH[384]	NON			
LS HEALTH	NON		Local Slave health bits (Local Slave 1 to 3)	
LS HEALTH[1]	NON			
LS HEALTH[2]	NON			
LS HEALTH[3]	NON			
DIO HEALTH	NON		DIO health bits (1 bit per DIO up to 128 DIOs)	
DIO HEALTH[513]	NON			
DIO HEALTH[514]	NON			
DIO HEALTH[515]	NON			
DIO HEALTH[516]	NON			
DIO HEALTH[517]	NON			
DIO HEALTH[518]	NON			
DIO HEALTH[519]	NON			
DIO HEALTH[520]	NON			
DIO HEALTH[521]	NON			
DIO HEALTH[522]	NON			
DIO HEALTH[523]	NON			
DIO HEALTH[524]	NON			
DIO HEALTH[525]	NON			
DIO HEALTH[526]	NON			
DIO HEALTH[527]	NON			
DIO HEALTH[528]	NON			
DIO HEALTH[529]	NON			
DIO HEALTH[530]	NON			
DIO HEALTH[531]	NON			
DIO HEALTH[532]	NON			
DIO HEALTH[533]	NON			
DIO HEALTH[534]	NON			
DIO HEALTH[535]	NON			
DIO HEALTH[536]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 14/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DIO HEALTH[537]	NON			
DIO HEALTH[538]	NON			
DIO HEALTH[539]	NON			
DIO HEALTH[540]	NON			
DIO HEALTH[541]	NON			
DIO HEALTH[542]	NON			
DIO HEALTH[543]	NON			
DIO HEALTH[544]	NON			
DIO HEALTH[545]	NON			
DIO HEALTH[546]	NON			
DIO HEALTH[547]	NON			
DIO HEALTH[548]	NON			
DIO HEALTH[549]	NON			
DIO HEALTH[550]	NON			
DIO HEALTH[551]	NON			
DIO HEALTH[552]	NON			
DIO HEALTH[553]	NON			
DIO HEALTH[554]	NON			
DIO HEALTH[555]	NON			
DIO HEALTH[556]	NON			
DIO HEALTH[557]	NON			
DIO HEALTH[558]	NON			
DIO HEALTH[559]	NON			
DIO HEALTH[560]	NON			
DIO HEALTH[561]	NON			
DIO HEALTH[562]	NON			
DIO HEALTH[563]	NON			
DIO HEALTH[564]	NON			
DIO HEALTH[565]	NON			
DIO HEALTH[566]	NON			
DIO HEALTH[567]	NON			
DIO HEALTH[568]	NON			
DIO HEALTH[569]	NON			
DIO HEALTH[570]	NON			
DIO HEALTH[571]	NON			
DIO HEALTH[572]	NON			
DIO HEALTH[573]	NON			
DIO HEALTH[574]	NON			
DIO HEALTH[575]	NON			
DIO HEALTH[576]	NON			
DIO HEALTH[577]	NON			
DIO HEALTH[578]	NON			
DIO HEALTH[579]	NON			
DIO HEALTH[580]	NON			
DIO HEALTH[581]	NON			
DIO HEALTH[582]	NON			
DIO HEALTH[583]	NON			
DIO HEALTH[584]	NON			
DIO HEALTH[585]	NON			
DIO HEALTH[586]	NON			
DIO HEALTH[587]	NON			
DIO HEALTH[588]	NON			
DIO HEALTH[589]	NON			
DIO HEALTH[590]	NON			
DIO HEALTH[591]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 15/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DIO_HEALTH[592]	NON			
DIO_HEALTH[593]	NON			
DIO_HEALTH[594]	NON			
DIO_HEALTH[595]	NON			
DIO_HEALTH[596]	NON			
DIO_HEALTH[597]	NON			
DIO_HEALTH[598]	NON			
DIO_HEALTH[599]	NON			
DIO_HEALTH[600]	NON			
DIO_HEALTH[601]	NON			
DIO_HEALTH[602]	NON			
DIO_HEALTH[603]	NON			
DIO_HEALTH[604]	NON			
DIO_HEALTH[605]	NON			
DIO_HEALTH[606]	NON			
DIO_HEALTH[607]	NON			
DIO_HEALTH[608]	NON			
DIO_HEALTH[609]	NON			
DIO_HEALTH[610]	NON			
DIO_HEALTH[611]	NON			
DIO_HEALTH[612]	NON			
DIO_HEALTH[613]	NON			
DIO_HEALTH[614]	NON			
DIO_HEALTH[615]	NON			
DIO_HEALTH[616]	NON			
DIO_HEALTH[617]	NON			
DIO_HEALTH[618]	NON			
DIO_HEALTH[619]	NON			
DIO_HEALTH[620]	NON			
DIO_HEALTH[621]	NON			
DIO_HEALTH[622]	NON			
DIO_HEALTH[623]	NON			
DIO_HEALTH[624]	NON			
DIO_HEALTH[625]	NON			
DIO_HEALTH[626]	NON			
DIO_HEALTH[627]	NON			
DIO_HEALTH[628]	NON			
DIO_HEALTH[629]	NON			
DIO_HEALTH[630]	NON			
DIO_HEALTH[631]	NON			
DIO_HEALTH[632]	NON			
DIO_HEALTH[633]	NON			
DIO_HEALTH[634]	NON			
DIO_HEALTH[635]	NON			
DIO_HEALTH[636]	NON			
DIO_HEALTH[637]	NON			
DIO_HEALTH[638]	NON			
DIO_HEALTH[639]	NON			
DIO_HEALTH[640]	NON			
DROP_CTRL	NON		DROP control bits (Drop 1 to 31)	
DROP_CTRL[1]	NON			
DROP_CTRL[2]	NON			
DROP_CTRL[3]	NON			
DROP_CTRL[4]	NON			
DROP_CTRL[5]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 16/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DROP_CTRL[6]	NON			
DROP_CTRL[7]	NON			
DROP_CTRL[8]	NON			
DROP_CTRL[9]	NON			
DROP_CTRL[10]	NON			
DROP_CTRL[11]	NON			
DROP_CTRL[12]	NON			
DROP_CTRL[13]	NON			
DROP_CTRL[14]	NON			
DROP_CTRL[15]	NON			
DROP_CTRL[16]	NON			
DROP_CTRL[17]	NON			
DROP_CTRL[18]	NON			
DROP_CTRL[19]	NON			
DROP_CTRL[20]	NON			
DROP_CTRL[21]	NON			
DROP_CTRL[22]	NON			
DROP_CTRL[23]	NON			
DROP_CTRL[24]	NON			
DROP_CTRL[25]	NON			
DROP_CTRL[26]	NON			
DROP_CTRL[27]	NON			
DROP_CTRL[28]	NON			
DROP_CTRL[29]	NON			
DROP_CTRL[30]	NON			
DROP_CTRL[31]	NON			
RIO_CTRL	NON		RIO control bits (1 bit per RIO up to 128)	
RIO_CTRL[257]	NON			
RIO_CTRL[258]	NON			
RIO_CTRL[259]	NON			
RIO_CTRL[260]	NON			
RIO_CTRL[261]	NON			
RIO_CTRL[262]	NON			
RIO_CTRL[263]	NON			
RIO_CTRL[264]	NON			
RIO_CTRL[265]	NON			
RIO_CTRL[266]	NON			
RIO_CTRL[267]	NON			
RIO_CTRL[268]	NON			
RIO_CTRL[269]	NON			
RIO_CTRL[270]	NON			
RIO_CTRL[271]	NON			
RIO_CTRL[272]	NON			
RIO_CTRL[273]	NON			
RIO_CTRL[274]	NON			
RIO_CTRL[275]	NON			
RIO_CTRL[276]	NON			
RIO_CTRL[277]	NON			
RIO_CTRL[278]	NON			
RIO_CTRL[279]	NON			
RIO_CTRL[280]	NON			
RIO_CTRL[281]	NON			
RIO_CTRL[282]	NON			
RIO_CTRL[283]	NON			
RIO_CTRL[284]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 17/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
RIO_CTRL[285]	NON			
RIO_CTRL[286]	NON			
RIO_CTRL[287]	NON			
RIO_CTRL[288]	NON			
RIO_CTRL[289]	NON			
RIO_CTRL[290]	NON			
RIO_CTRL[291]	NON			
RIO_CTRL[292]	NON			
RIO_CTRL[293]	NON			
RIO_CTRL[294]	NON			
RIO_CTRL[295]	NON			
RIO_CTRL[296]	NON			
RIO_CTRL[297]	NON			
RIO_CTRL[298]	NON			
RIO_CTRL[299]	NON			
RIO_CTRL[300]	NON			
RIO_CTRL[301]	NON			
RIO_CTRL[302]	NON			
RIO_CTRL[303]	NON			
RIO_CTRL[304]	NON			
RIO_CTRL[305]	NON			
RIO_CTRL[306]	NON			
RIO_CTRL[307]	NON			
RIO_CTRL[308]	NON			
RIO_CTRL[309]	NON			
RIO_CTRL[310]	NON			
RIO_CTRL[311]	NON			
RIO_CTRL[312]	NON			
RIO_CTRL[313]	NON			
RIO_CTRL[314]	NON			
RIO_CTRL[315]	NON			
RIO_CTRL[316]	NON			
RIO_CTRL[317]	NON			
RIO_CTRL[318]	NON			
RIO_CTRL[319]	NON			
RIO_CTRL[320]	NON			
RIO_CTRL[321]	NON			
RIO_CTRL[322]	NON			
RIO_CTRL[323]	NON			
RIO_CTRL[324]	NON			
RIO_CTRL[325]	NON			
RIO_CTRL[326]	NON			
RIO_CTRL[327]	NON			
RIO_CTRL[328]	NON			
RIO_CTRL[329]	NON			
RIO_CTRL[330]	NON			
RIO_CTRL[331]	NON			
RIO_CTRL[332]	NON			
RIO_CTRL[333]	NON			
RIO_CTRL[334]	NON			
RIO_CTRL[335]	NON			
RIO_CTRL[336]	NON			
RIO_CTRL[337]	NON			
RIO_CTRL[338]	NON			
RIO_CTRL[339]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 18/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
RIO_CTRL[340]	NON			
RIO_CTRL[341]	NON			
RIO_CTRL[342]	NON			
RIO_CTRL[343]	NON			
RIO_CTRL[344]	NON			
RIO_CTRL[345]	NON			
RIO_CTRL[346]	NON			
RIO_CTRL[347]	NON			
RIO_CTRL[348]	NON			
RIO_CTRL[349]	NON			
RIO_CTRL[350]	NON			
RIO_CTRL[351]	NON			
RIO_CTRL[352]	NON			
RIO_CTRL[353]	NON			
RIO_CTRL[354]	NON			
RIO_CTRL[355]	NON			
RIO_CTRL[356]	NON			
RIO_CTRL[357]	NON			
RIO_CTRL[358]	NON			
RIO_CTRL[359]	NON			
RIO_CTRL[360]	NON			
RIO_CTRL[361]	NON			
RIO_CTRL[362]	NON			
RIO_CTRL[363]	NON			
RIO_CTRL[364]	NON			
RIO_CTRL[365]	NON			
RIO_CTRL[366]	NON			
RIO_CTRL[367]	NON			
RIO_CTRL[368]	NON			
RIO_CTRL[369]	NON			
RIO_CTRL[370]	NON			
RIO_CTRL[371]	NON			
RIO_CTRL[372]	NON			
RIO_CTRL[373]	NON			
RIO_CTRL[374]	NON			
RIO_CTRL[375]	NON			
RIO_CTRL[376]	NON			
RIO_CTRL[377]	NON			
RIO_CTRL[378]	NON			
RIO_CTRL[379]	NON			
RIO_CTRL[380]	NON			
RIO_CTRL[381]	NON			
RIO_CTRL[382]	NON			
RIO_CTRL[383]	NON			
RIO_CTRL[384]	NON			
DIO_CTRL	NON		DIO control bits (1 bit per DIO up to 128 DIOs)	
DIO_CTRL[513]	NON			
DIO_CTRL[514]	NON			
DIO_CTRL[515]	NON			
DIO_CTRL[516]	NON			
DIO_CTRL[517]	NON			
DIO_CTRL[518]	NON			
DIO_CTRL[519]	NON			
DIO_CTRL[520]	NON			
DIO_CTRL[521]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 19/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DIO_CTRL[522]	NON			
DIO_CTRL[523]	NON			
DIO_CTRL[524]	NON			
DIO_CTRL[525]	NON			
DIO_CTRL[526]	NON			
DIO_CTRL[527]	NON			
DIO_CTRL[528]	NON			
DIO_CTRL[529]	NON			
DIO_CTRL[530]	NON			
DIO_CTRL[531]	NON			
DIO_CTRL[532]	NON			
DIO_CTRL[533]	NON			
DIO_CTRL[534]	NON			
DIO_CTRL[535]	NON			
DIO_CTRL[536]	NON			
DIO_CTRL[537]	NON			
DIO_CTRL[538]	NON			
DIO_CTRL[539]	NON			
DIO_CTRL[540]	NON			
DIO_CTRL[541]	NON			
DIO_CTRL[542]	NON			
DIO_CTRL[543]	NON			
DIO_CTRL[544]	NON			
DIO_CTRL[545]	NON			
DIO_CTRL[546]	NON			
DIO_CTRL[547]	NON			
DIO_CTRL[548]	NON			
DIO_CTRL[549]	NON			
DIO_CTRL[550]	NON			
DIO_CTRL[551]	NON			
DIO_CTRL[552]	NON			
DIO_CTRL[553]	NON			
DIO_CTRL[554]	NON			
DIO_CTRL[555]	NON			
DIO_CTRL[556]	NON			
DIO_CTRL[557]	NON			
DIO_CTRL[558]	NON			
DIO_CTRL[559]	NON			
DIO_CTRL[560]	NON			
DIO_CTRL[561]	NON			
DIO_CTRL[562]	NON			
DIO_CTRL[563]	NON			
DIO_CTRL[564]	NON			
DIO_CTRL[565]	NON			
DIO_CTRL[566]	NON			
DIO_CTRL[567]	NON			
DIO_CTRL[568]	NON			
DIO_CTRL[569]	NON			
DIO_CTRL[570]	NON			
DIO_CTRL[571]	NON			
DIO_CTRL[572]	NON			
DIO_CTRL[573]	NON			
DIO_CTRL[574]	NON			
DIO_CTRL[575]	NON			
DIO_CTRL[576]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 20/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DIO_CTRL[577]	NON			
DIO_CTRL[578]	NON			
DIO_CTRL[579]	NON			
DIO_CTRL[580]	NON			
DIO_CTRL[581]	NON			
DIO_CTRL[582]	NON			
DIO_CTRL[583]	NON			
DIO_CTRL[584]	NON			
DIO_CTRL[585]	NON			
DIO_CTRL[586]	NON			
DIO_CTRL[587]	NON			
DIO_CTRL[588]	NON			
DIO_CTRL[589]	NON			
DIO_CTRL[590]	NON			
DIO_CTRL[591]	NON			
DIO_CTRL[592]	NON			
DIO_CTRL[593]	NON			
DIO_CTRL[594]	NON			
DIO_CTRL[595]	NON			
DIO_CTRL[596]	NON			
DIO_CTRL[597]	NON			
DIO_CTRL[598]	NON			
DIO_CTRL[599]	NON			
DIO_CTRL[600]	NON			
DIO_CTRL[601]	NON			
DIO_CTRL[602]	NON			
DIO_CTRL[603]	NON			
DIO_CTRL[604]	NON			
DIO_CTRL[605]	NON			
DIO_CTRL[606]	NON			
DIO_CTRL[607]	NON			
DIO_CTRL[608]	NON			
DIO_CTRL[609]	NON			
DIO_CTRL[610]	NON			
DIO_CTRL[611]	NON			
DIO_CTRL[612]	NON			
DIO_CTRL[613]	NON			
DIO_CTRL[614]	NON			
DIO_CTRL[615]	NON			
DIO_CTRL[616]	NON			
DIO_CTRL[617]	NON			
DIO_CTRL[618]	NON			
DIO_CTRL[619]	NON			
DIO_CTRL[620]	NON			
DIO_CTRL[621]	NON			
DIO_CTRL[622]	NON			
DIO_CTRL[623]	NON			
DIO_CTRL[624]	NON			
DIO_CTRL[625]	NON			
DIO_CTRL[626]	NON			
DIO_CTRL[627]	NON			
DIO_CTRL[628]	NON			
DIO_CTRL[629]	NON			
DIO_CTRL[630]	NON			
DIO_CTRL[631]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 21/30

Variables et instances FB

Nom	Const	Adresse	Commentaire	Utilisé
DIO_CTRL[632]	NON			
DIO_CTRL[633]	NON			
DIO_CTRL[634]	NON			
DIO_CTRL[635]	NON			
DIO_CTRL[636]	NON			
DIO_CTRL[637]	NON			
DIO_CTRL[638]	NON			
DIO_CTRL[639]	NON			
DIO_CTRL[640]	NON			

Auteur :	5 Variables et instances FB	Imprimé le 20/10/2022
Service :		
Projet :		Page : 22/30

Structure du projet

VUE STRUCTURELLE

SEC&TION	CONDITION DE VALIDATION	COMMENTAIRE DE SECTION	MODULE	LANGAGE
POMPES				FBD

CALL TREE

- Programme
 - └─ Tâches
 - └─ MAST
 - └─ Sections
 - └─ POMPES

Auteur :	6 Structure du projet	Imprimé le 20/10/2022
Service :		
Projet :		Page : 23/30

Réseau Ethernet

Nom	Type	Sous-type	Profils	Adresse topologique
BMEP58_ECPU_EXT	Scrutateur	Scrutateur DIO	Distribué Distant	0.0/0.0

Nom	Activation DHCP	Adresse IP	Masque de sous-réseau	Adresse de passerelle
BMEP58_ECPU_EXT	Oui	A:192.168.11.1 Principale :192.168.10.1	255.255.0.0 255.255.0.0	192.168.10.1

Nom	Identification par	Identificateur	SNMP	Etat NTP
BMEP58_ECPU_EXT			IP1:0.0.0.0 IP2:0.0.0.0	Désactivé

Nom	Configuration NTP
BMEP58_ECPU_EXT	

Auteur :	7 Réseau Ethernet	Imprimé le 20/10/2022
Service :		
Projet :		Page : 24/30

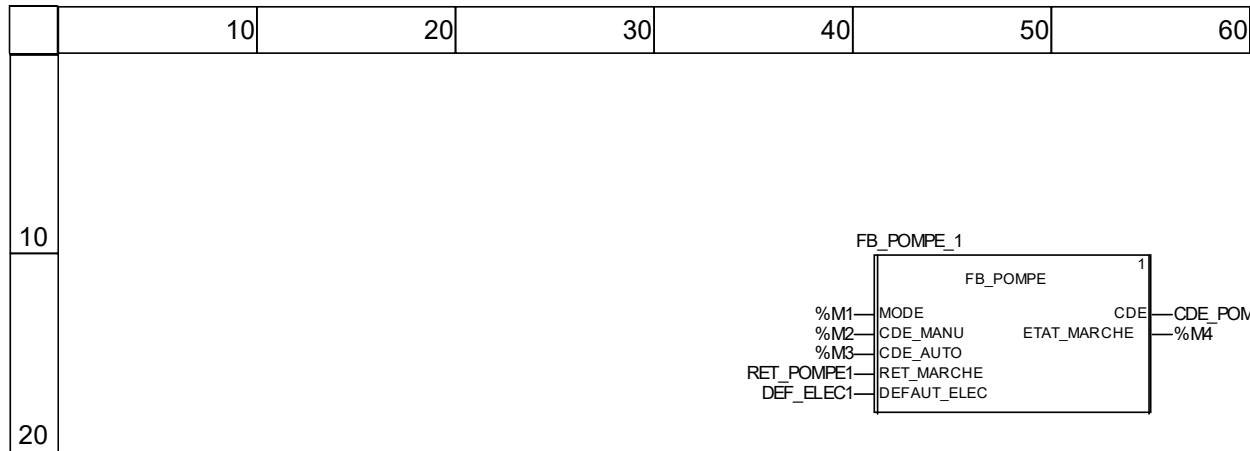
MAST

Propriétés spécifiques

Configuration	Cyclique
Période de la tâche	0
Chien de garde	250

Auteur :	8.1 Tâches	Imprimé le 20/10/2022
Service :	8.1.1 MAST	
Projet :		Page : 25/30

POMPES : [MAST]



	70
10	
	PE1
20	

Axe du mouvement

Auteur :	9 Mouvement	Imprimé le 20/10/2022
Service :		
Projet :		Page : 28/30

Références croisées

Application:

Adresses

Objet	Rattaché à	Localisation	Usage
%M1	POMPES : [MAST]	(l: 10, c: 41)	L
%M2	POMPES : [MAST]	(l: 10, c: 41)	L
%M3	POMPES : [MAST]	(l: 10, c: 41)	L
%M4	POMPES : [MAST]	(l: 10, c: 41)	E

Variables ou instances FB

Objet	Rattaché à	Localisation	Usage
CDE POMPE1	POMPES : [MAST]	(l: 10, c: 41)	E
DEF ELEC1	POMPES : [MAST]	(l: 10, c: 41)	L
FB POMPE_1	POMPES : [MAST]	(l: 10, c: 41)	AF
RET POMPE1	POMPES : [MAST]	(l: 10, c: 41)	L

Auteur :	10 Références croisées	Imprimé le 20/10/2022
Service :		Page : 29/30
Projet :		

Références croisées

FB_POMPE:

Variables ou instances FB

Objet	Rattaché à	Localisation	Usage
CDE	CODE POMPE <DFB> : [FB POMPE]	(l: 2, c: 11)	E
		(l: 5, c: 11)	E
CDE AUTO	CODE POMPE <DFB> : [FB POMPE]	(l: 2, c: 2)	L
		(l: 5, c: 2)	L
CDE MANU	CODE POMPE <DFB> : [FB POMPE]	(l: 3, c: 2)	L
		(l: 6, c: 2)	L
DEFAULT ELEC	CODE POMPE <DFB> : [FB POMPE]	(l: 7, c: 1)	L
ETAT MARCHE	CODE POMPE <DFB> : [FB POMPE]	(l: 10, c: 11)	E
MODE	CODE POMPE <DFB> : [FB POMPE]	(l: 2, c: 1)	L
		(l: 3, c: 1)	L
		(l: 5, c: 1)	L
		(l: 6, c: 1)	L
RET MARCHE	CODE POMPE <DFB> : [FB POMPE]	(l: 10, c: 1)	L

Auteur :	10 Références croisées	Imprimé le 20/10/2022
Service :		Page : 30/30
Projet :		